

FIG. 2

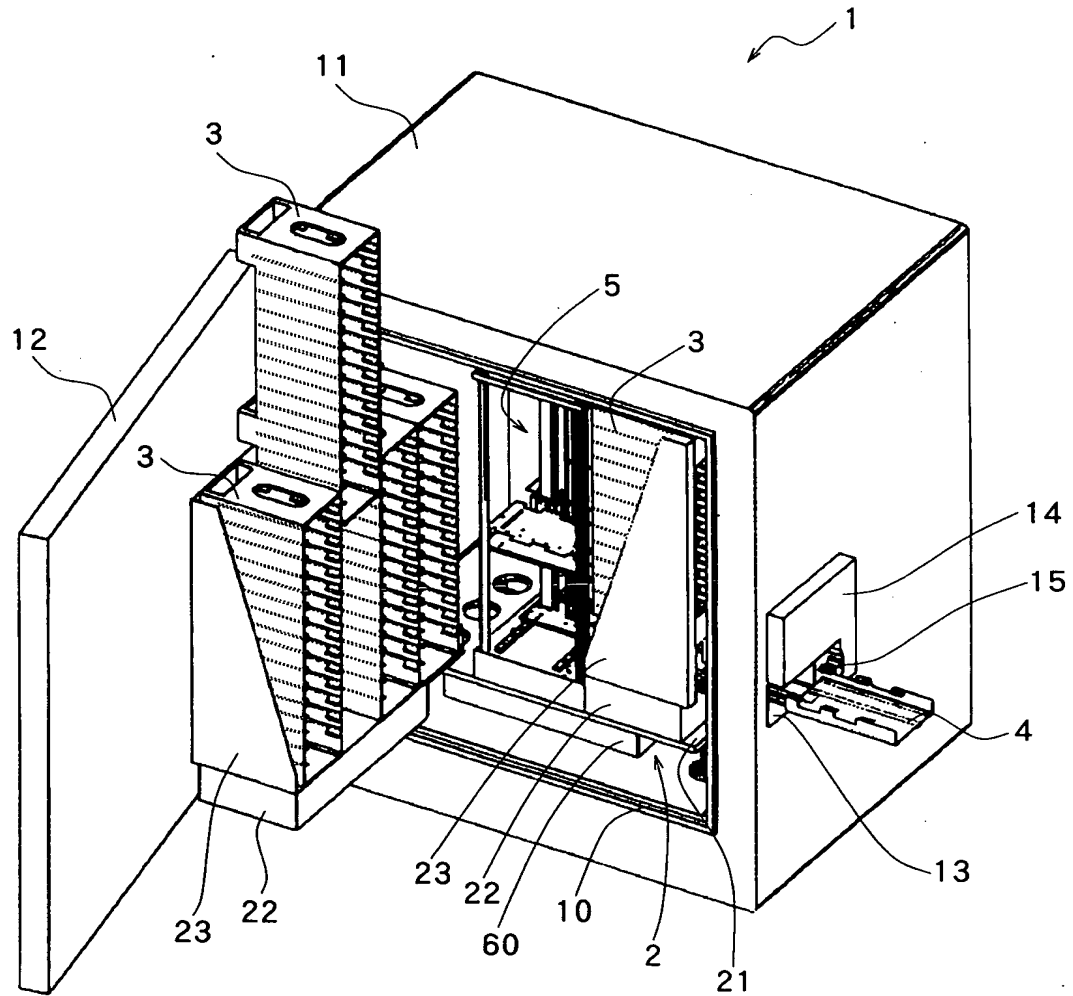


FIG. 3

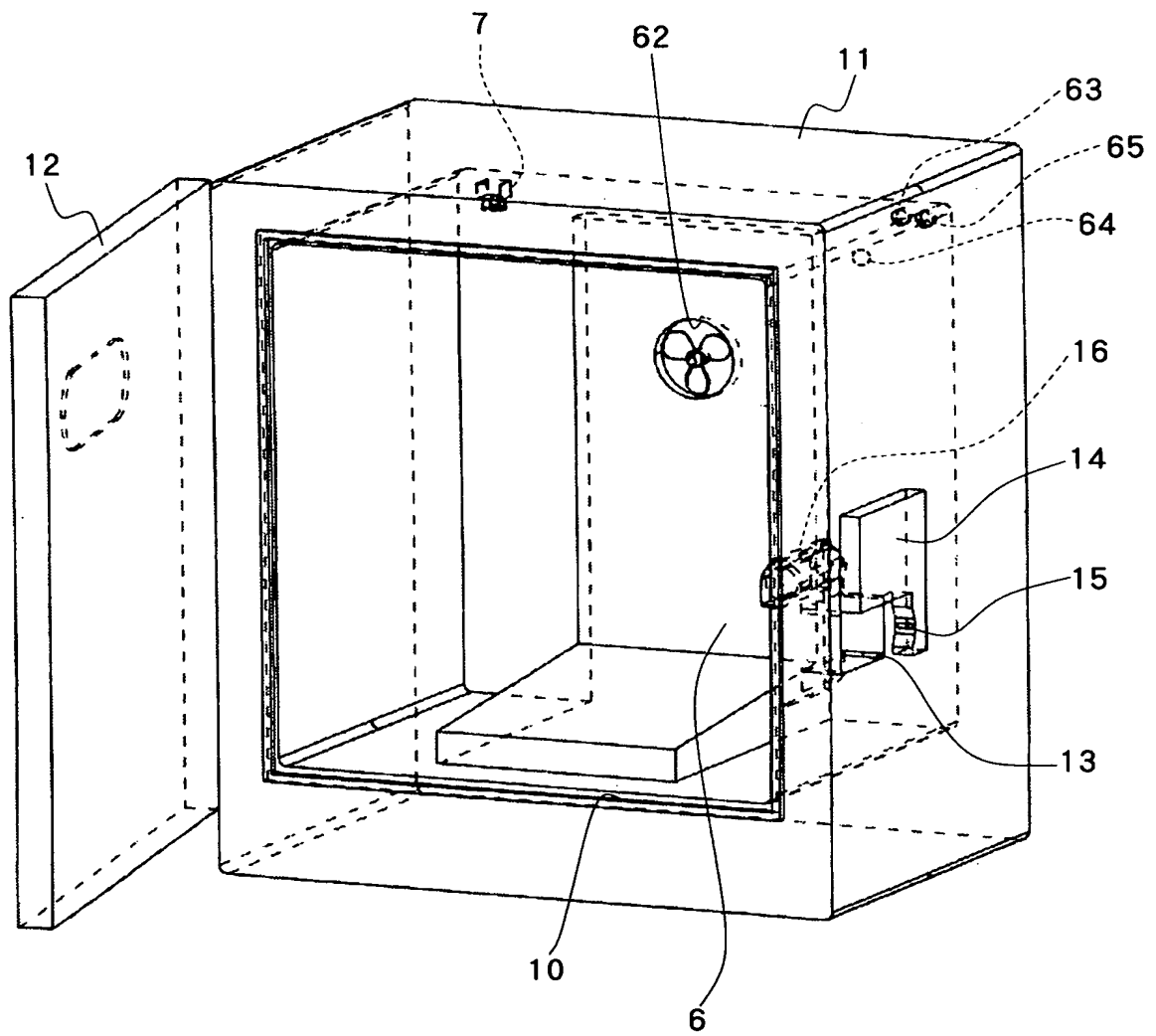


FIG. 4

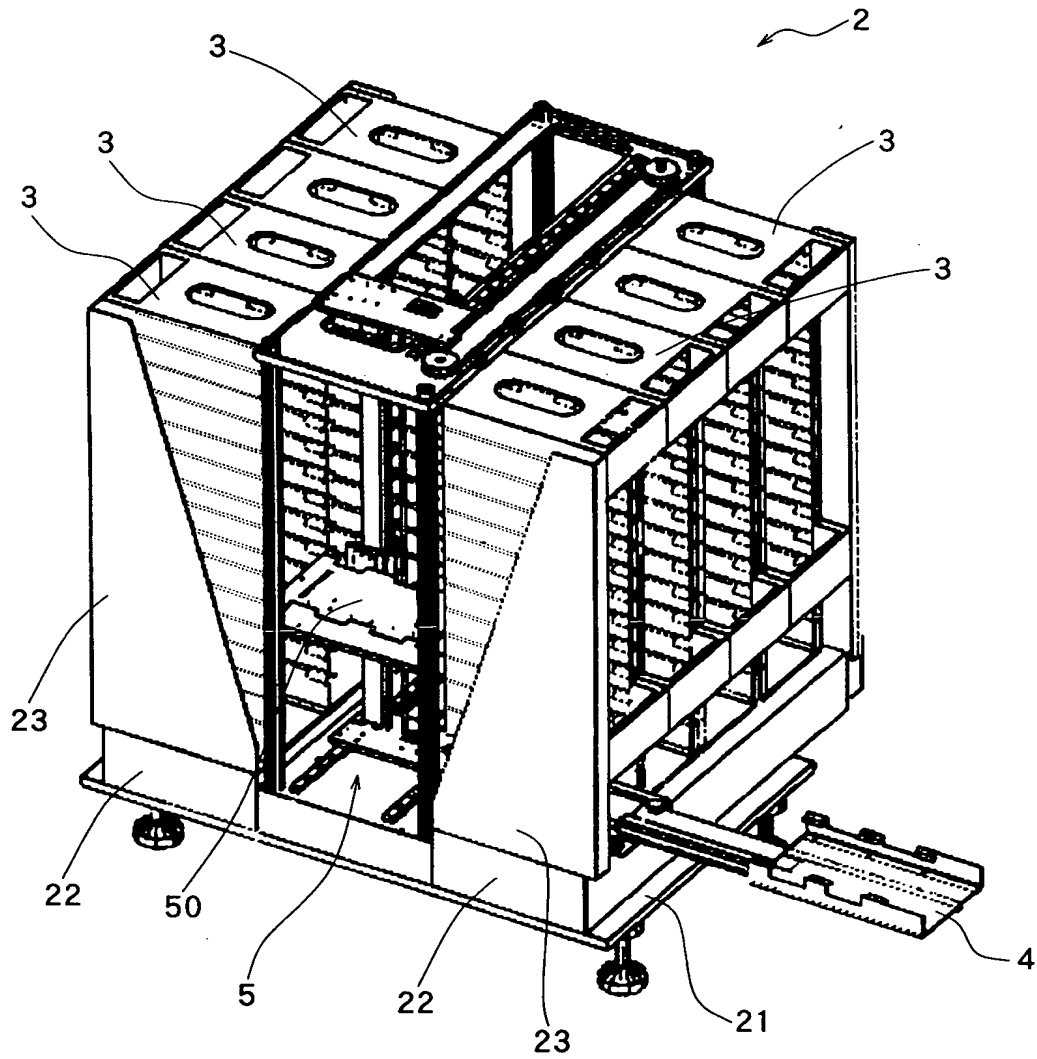


FIG. 5(a)

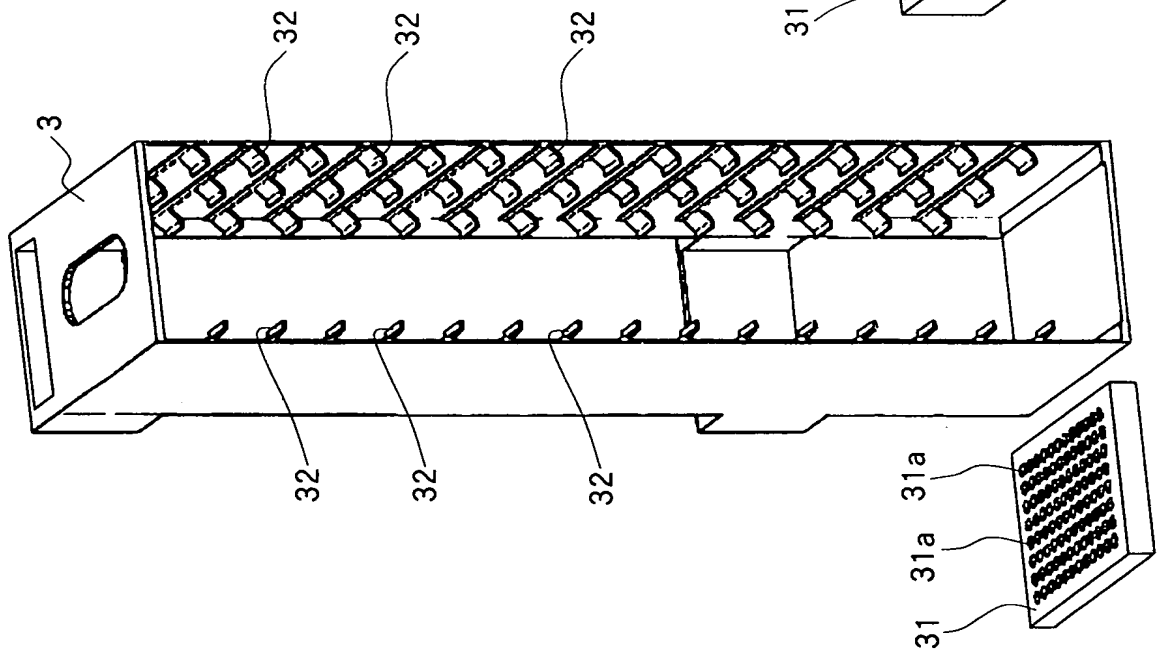


FIG. 5(b)

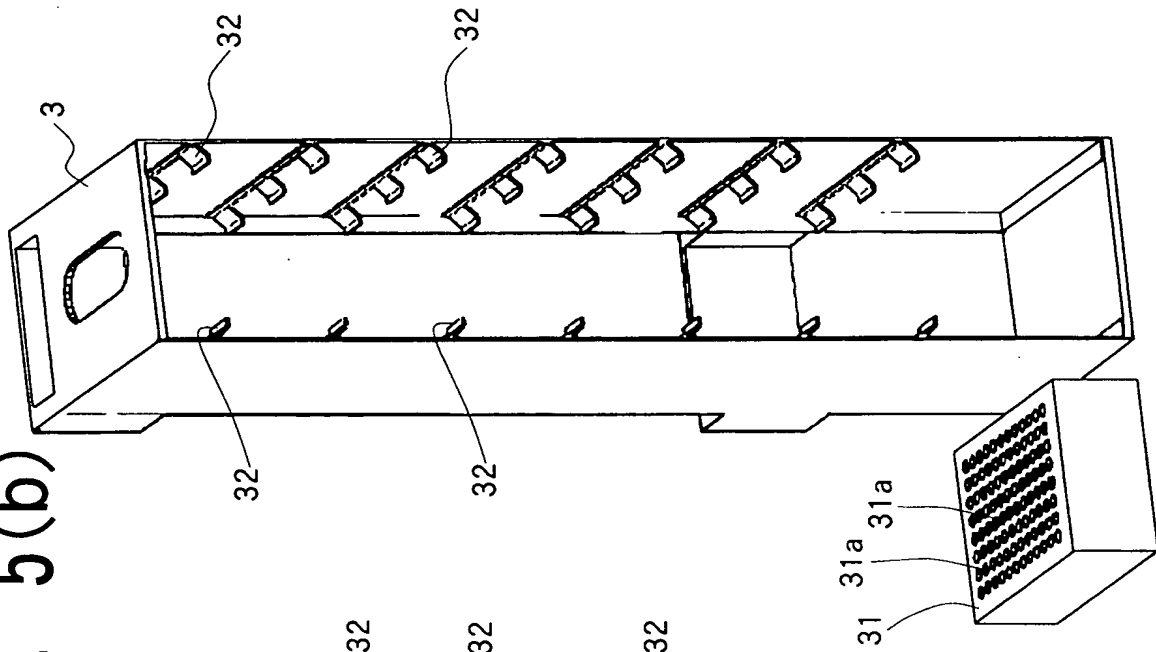


FIG. 6

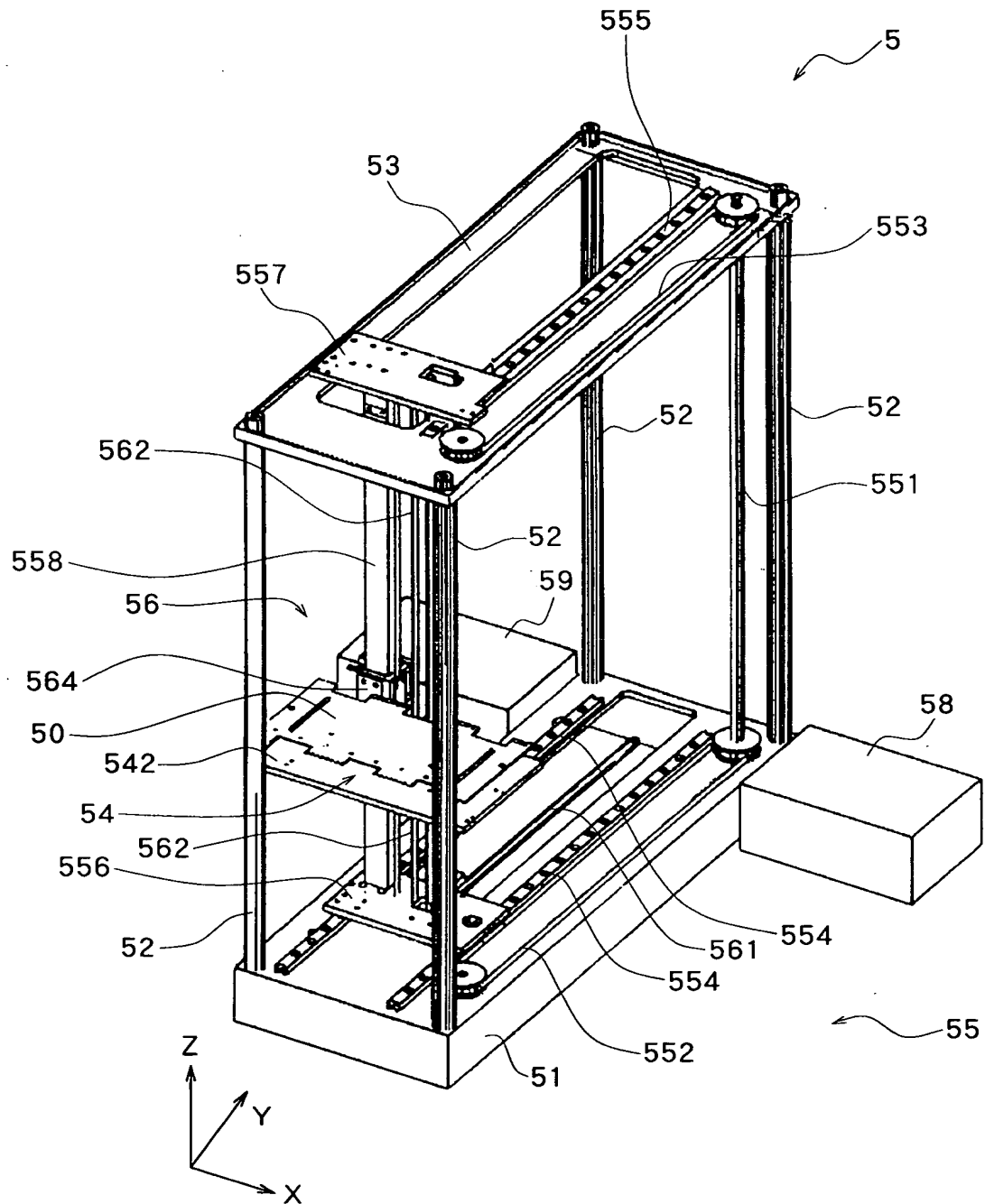


FIG. 7

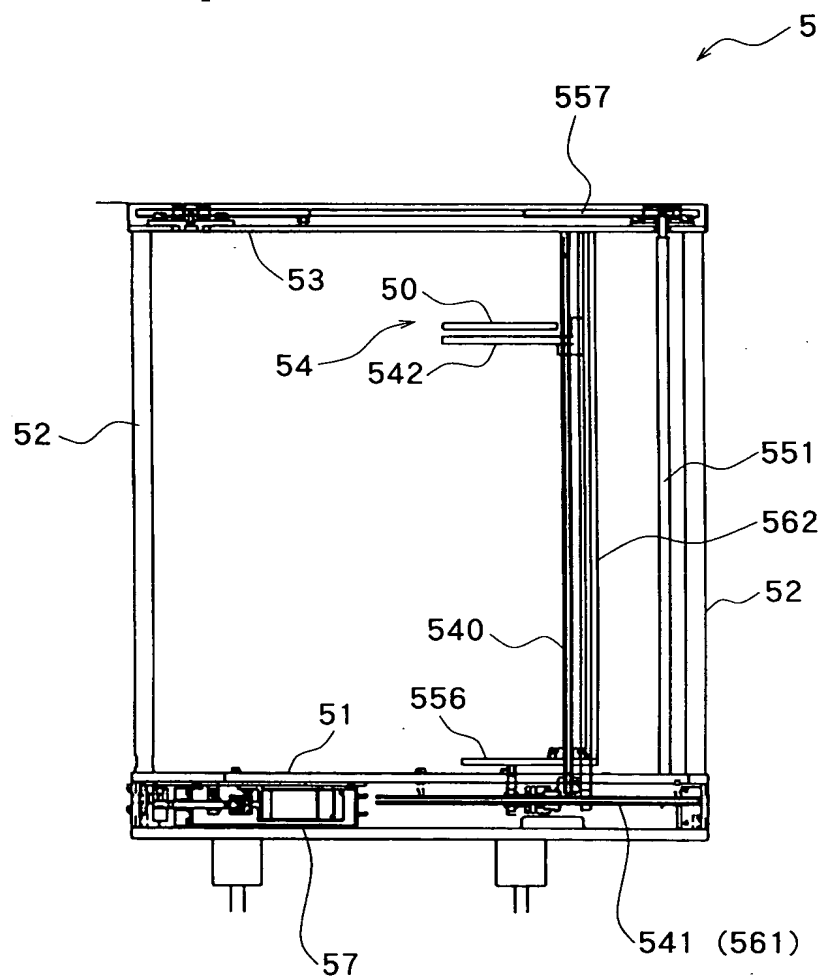


FIG. 8

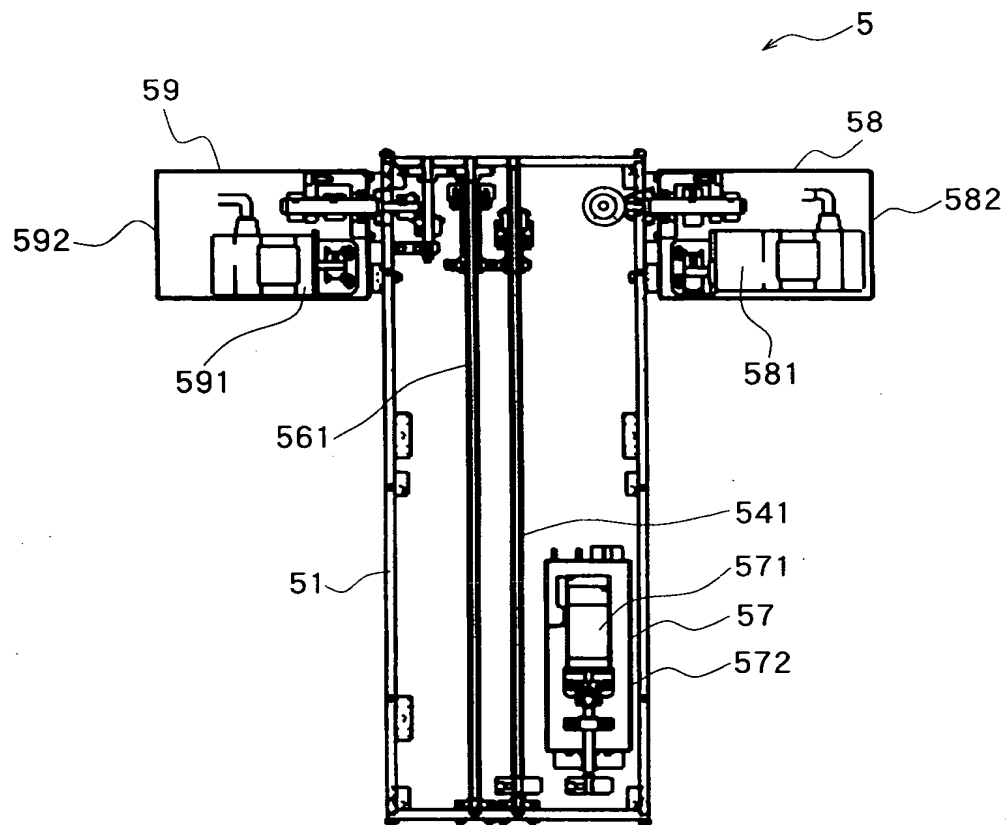


FIG. 9

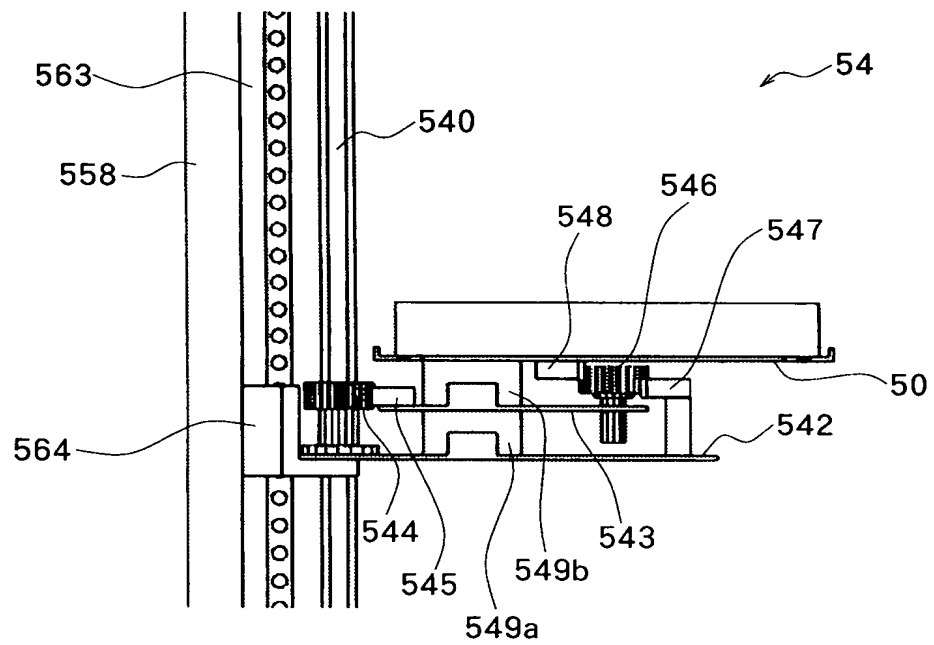


FIG. 10(a)

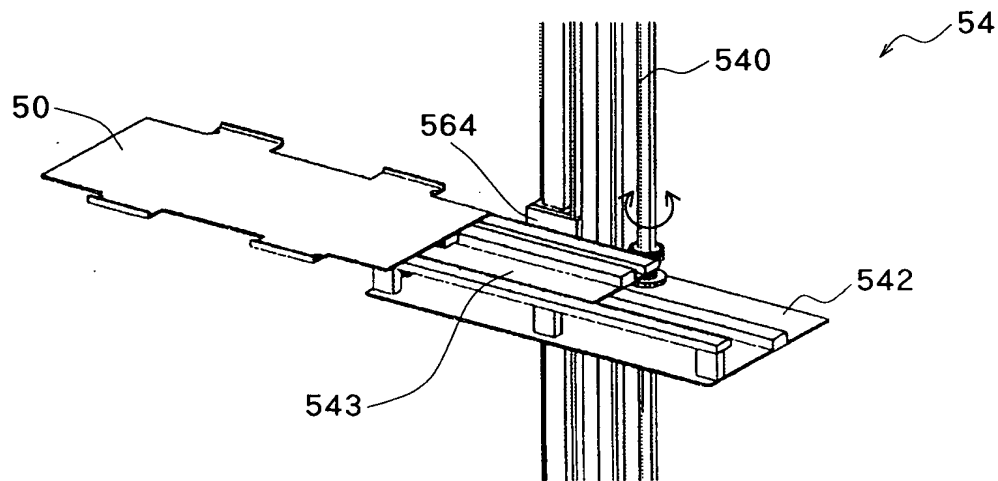


FIG. 10(b)

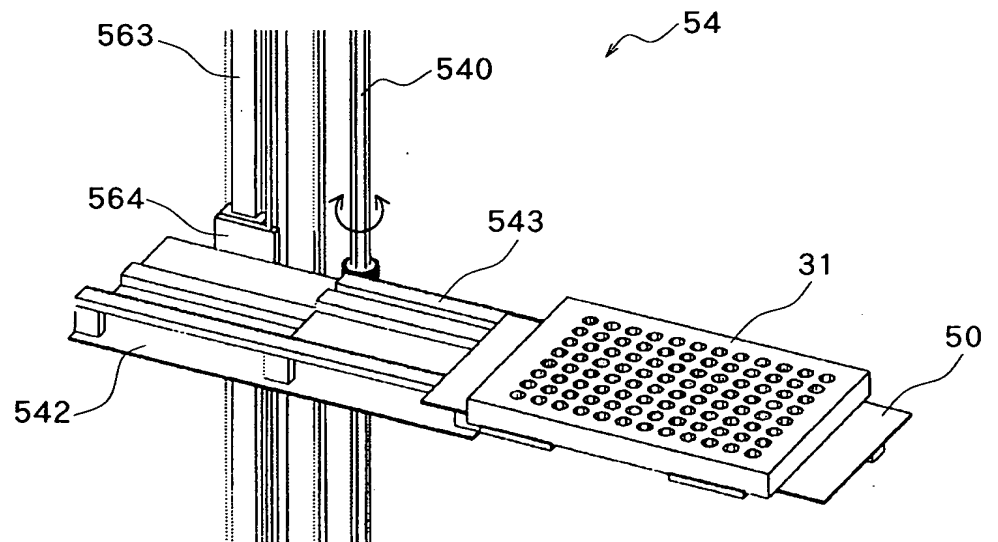
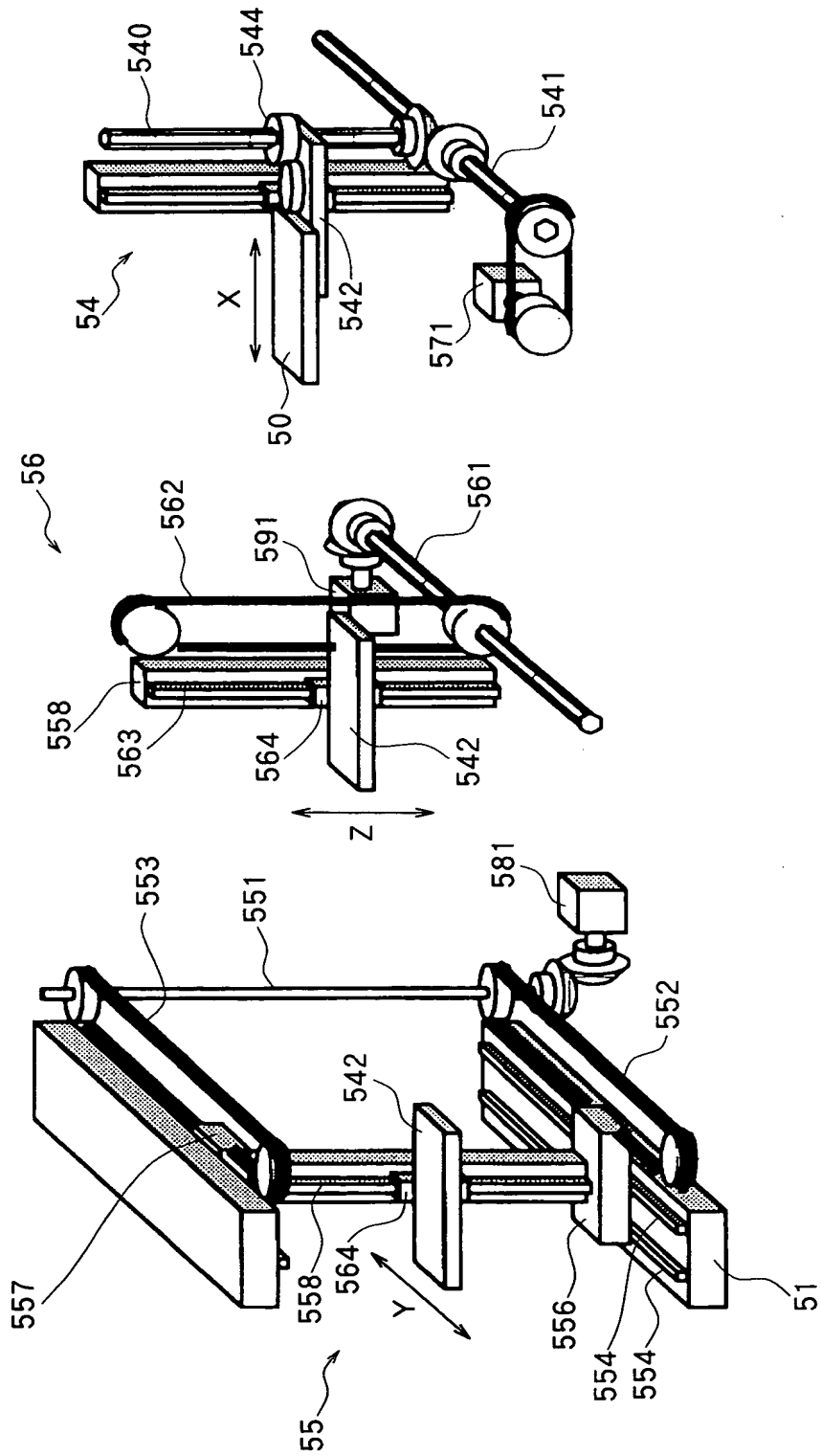


FIG. 11(a) FIG. 11(b) FIG. 11(c)



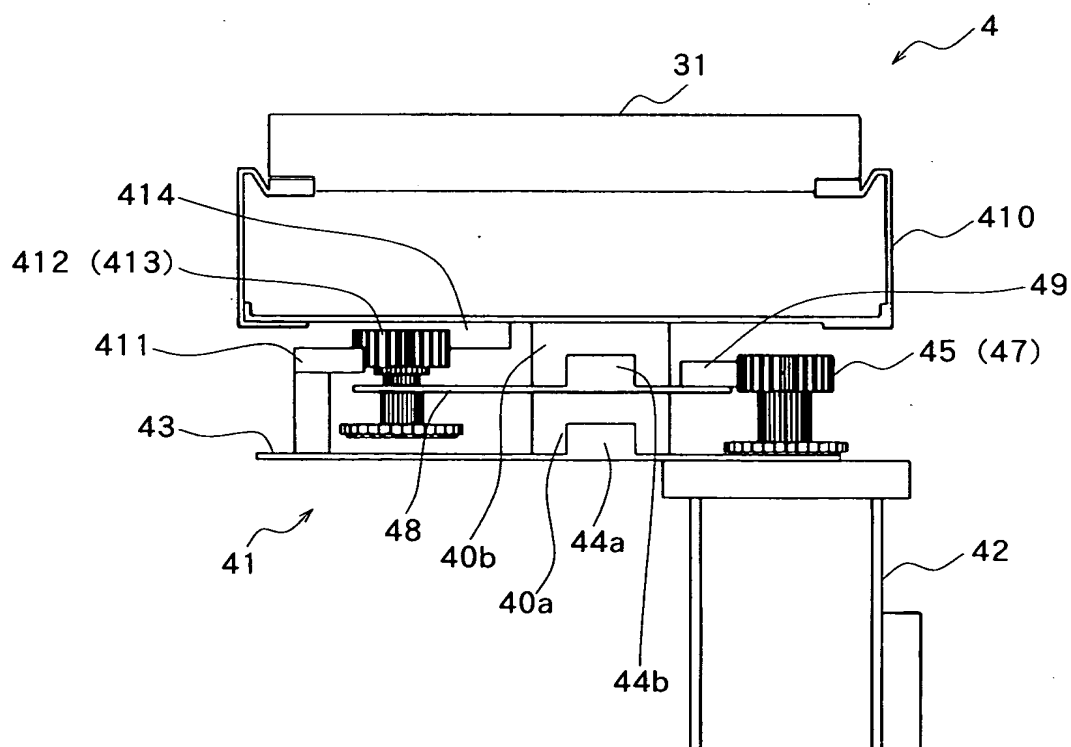


FIG. 14

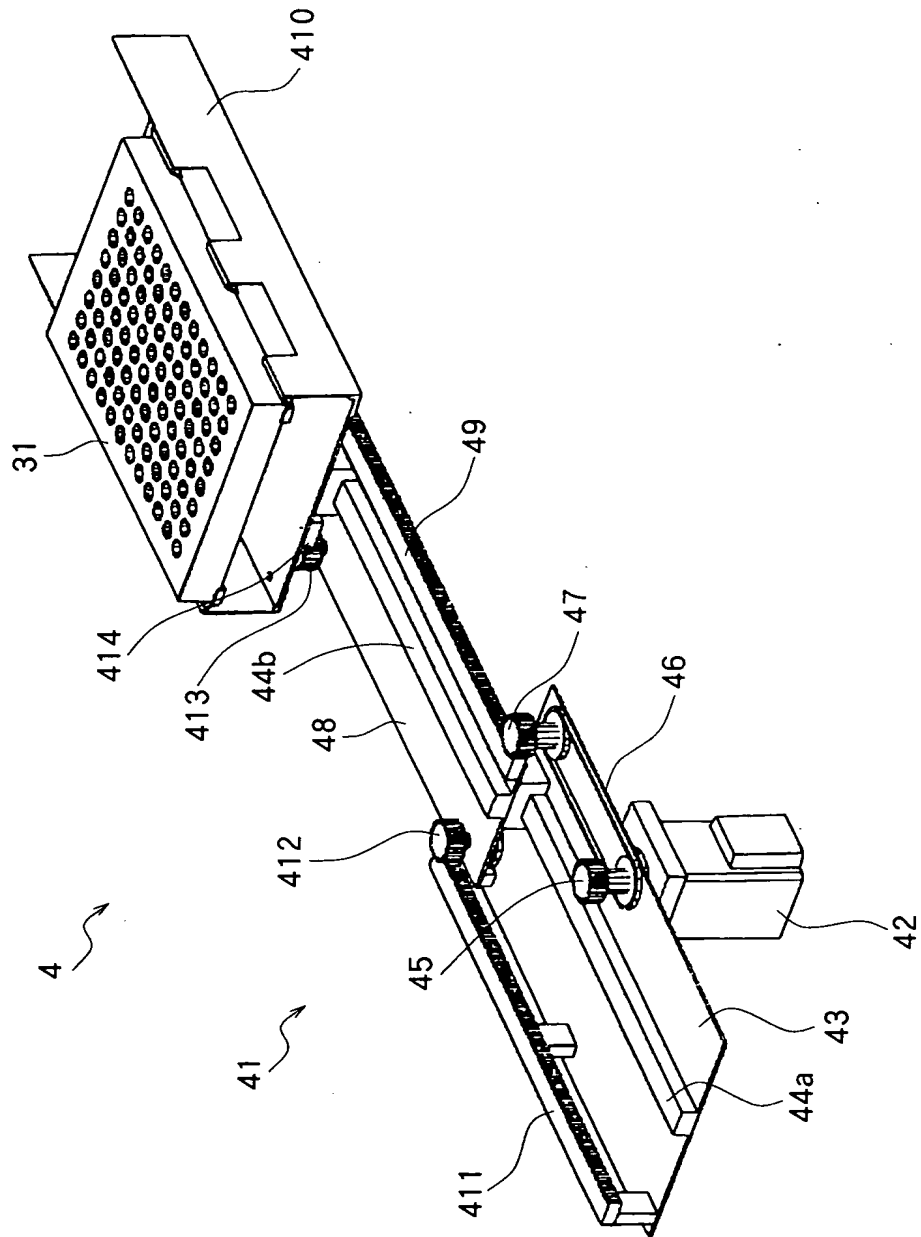


FIG. 15

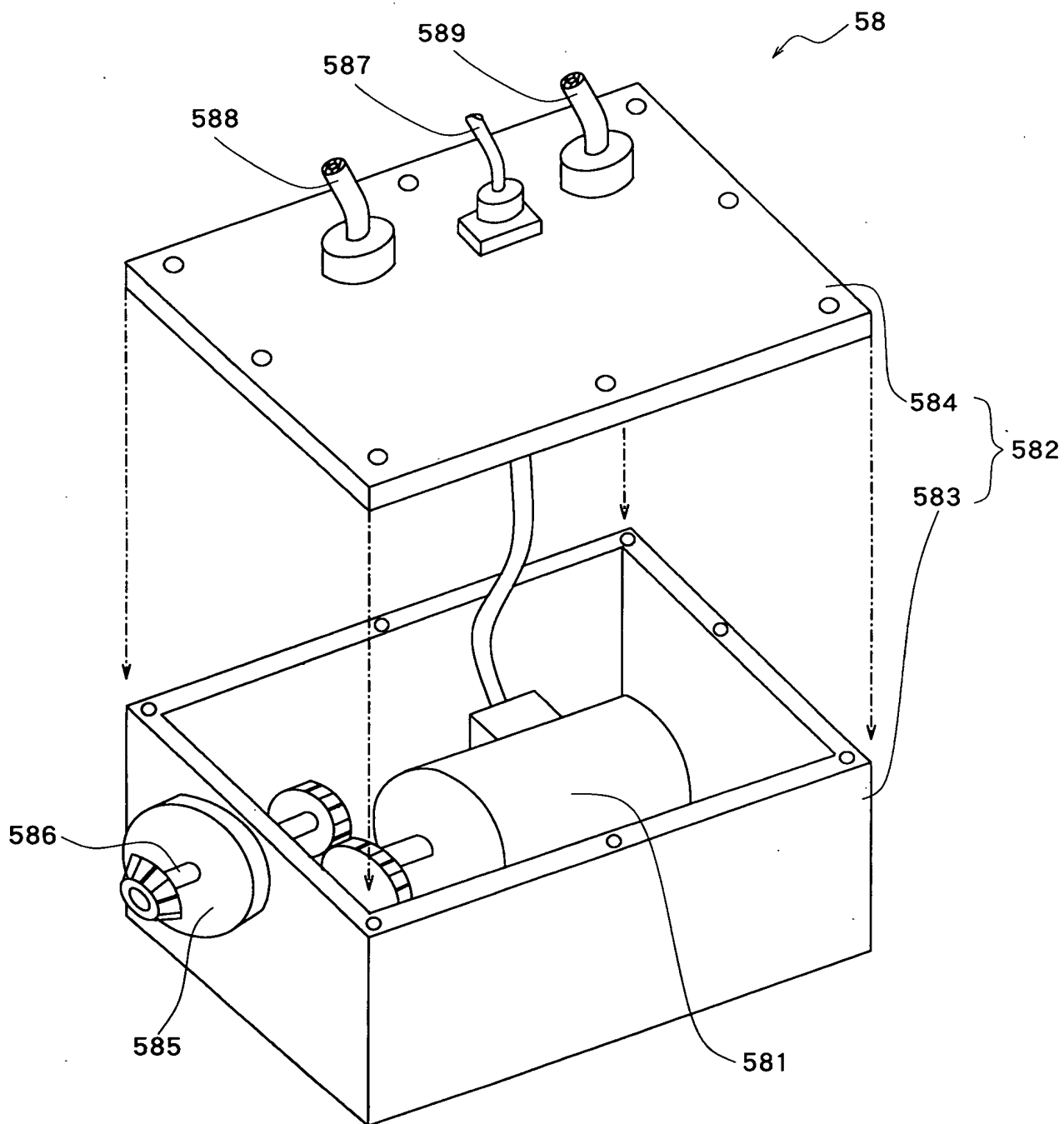


FIG. 16

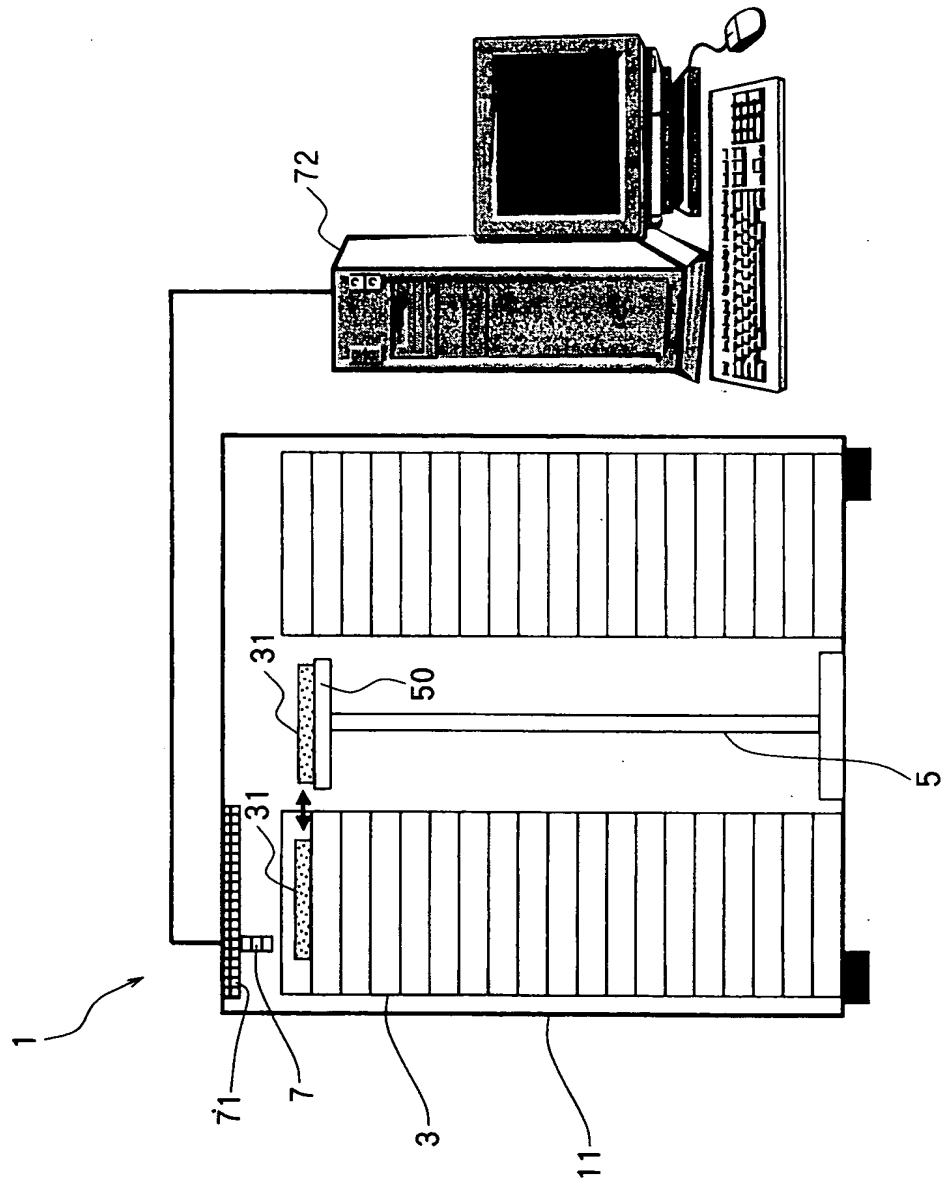


FIG. 17

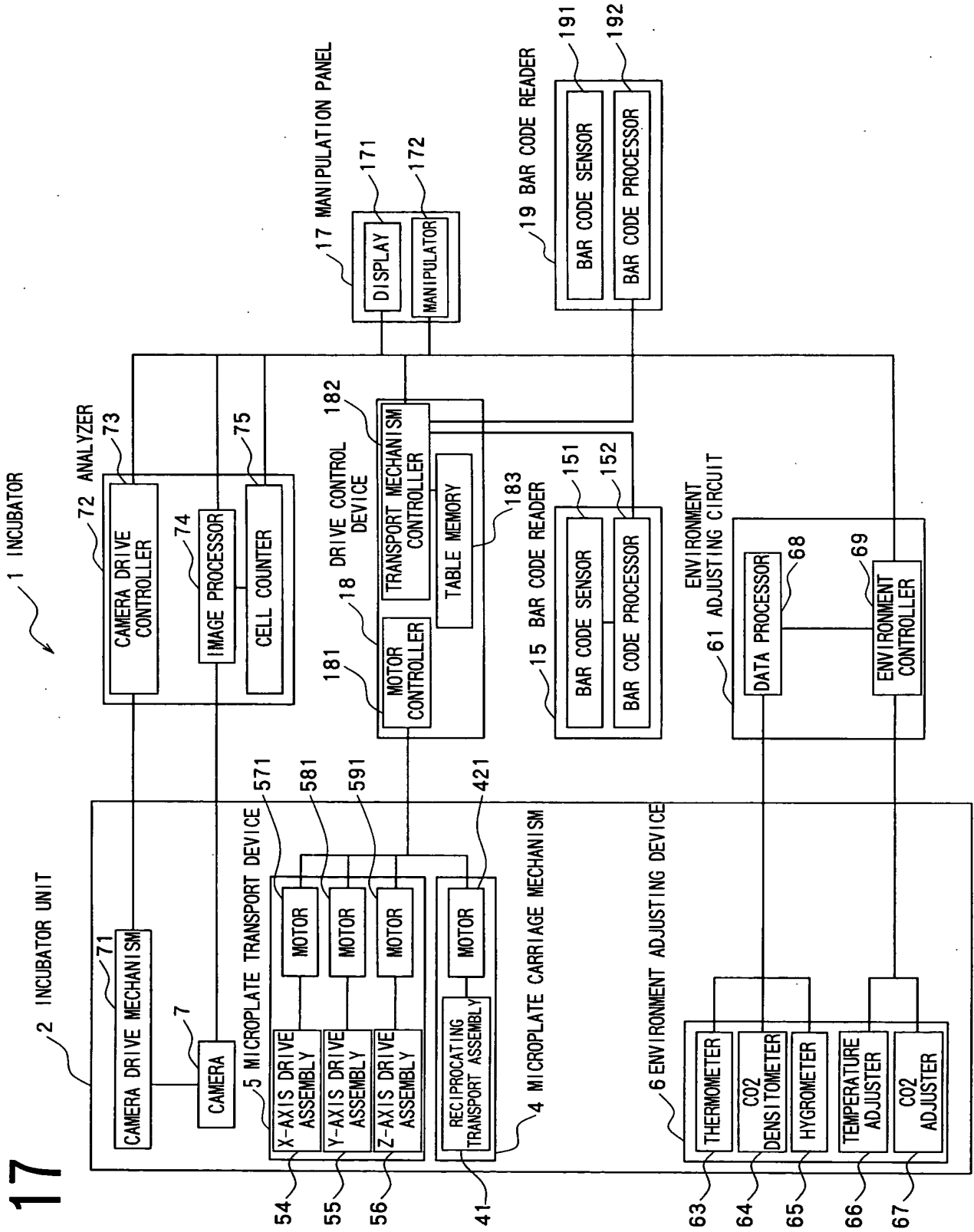


FIG. 18

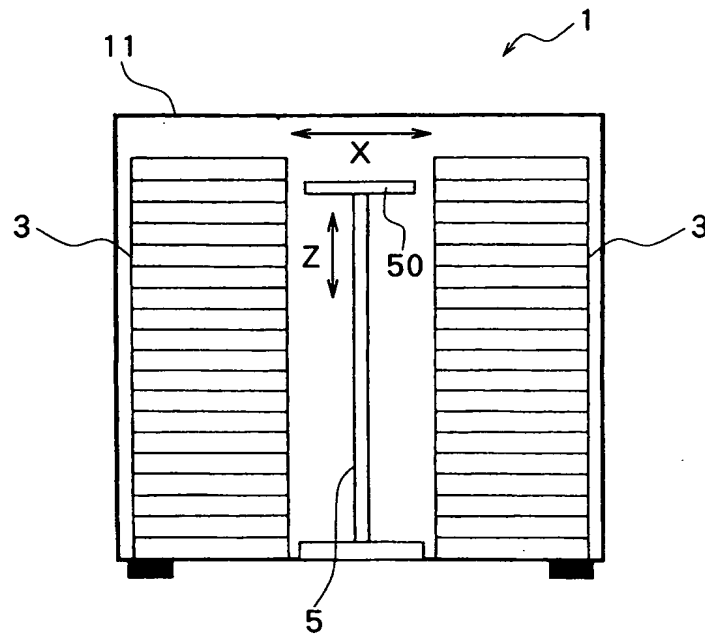


FIG. 19

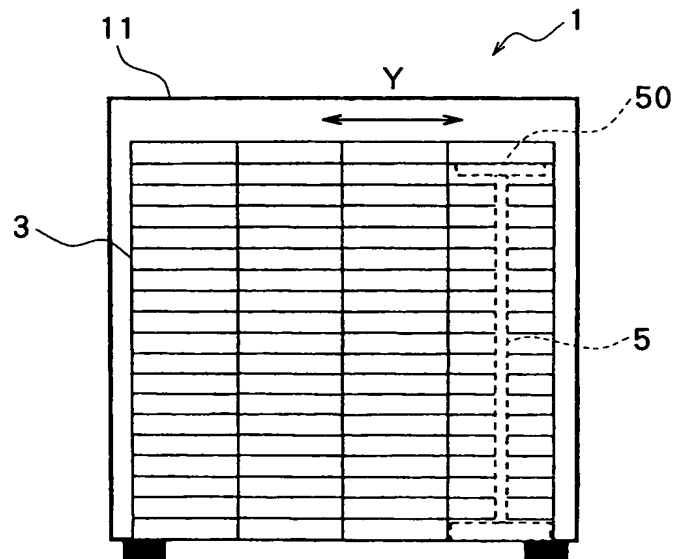


FIG. 20

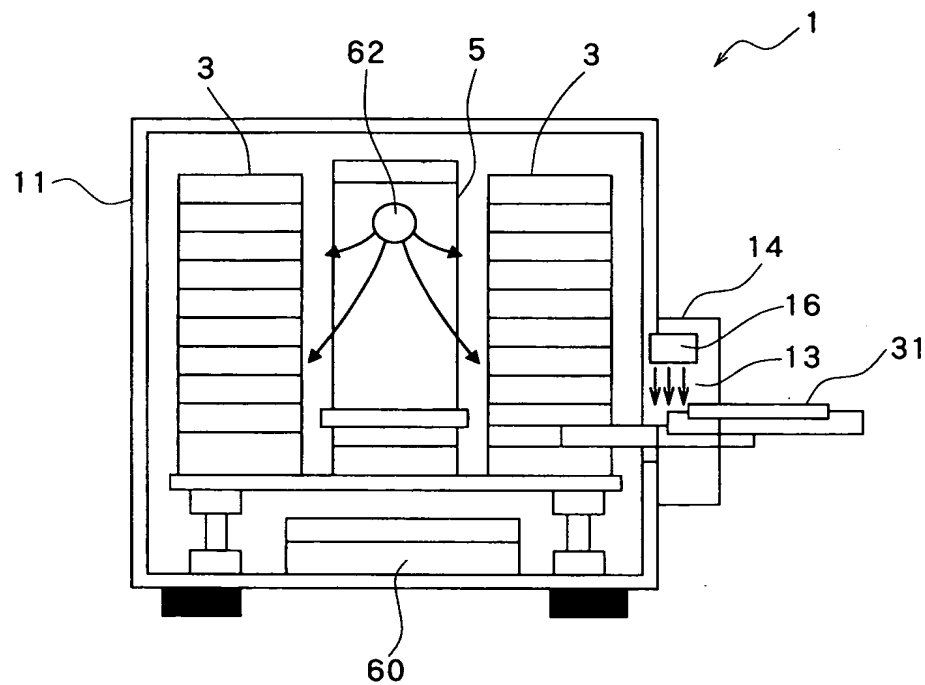


FIG. 21

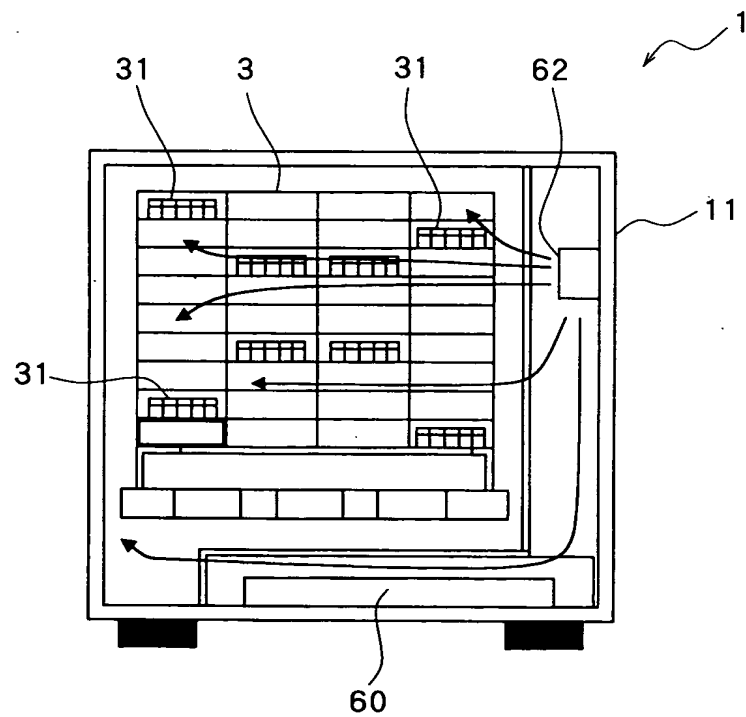


FIG. 22

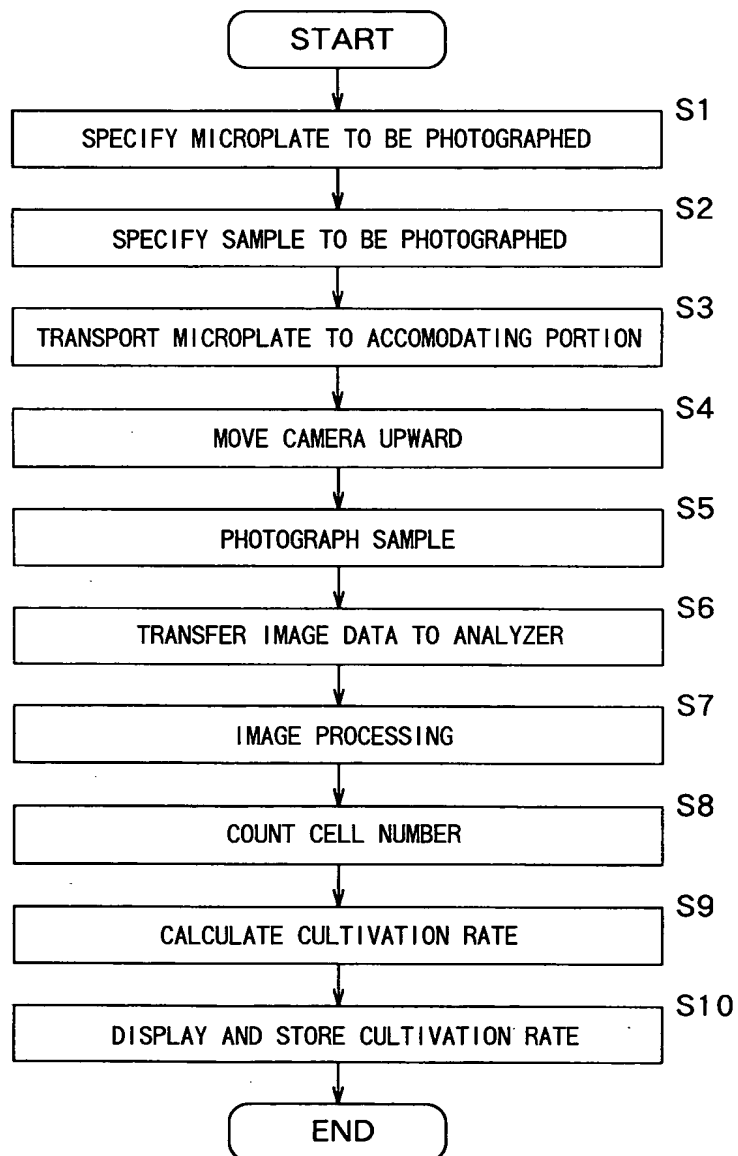


FIG. 23

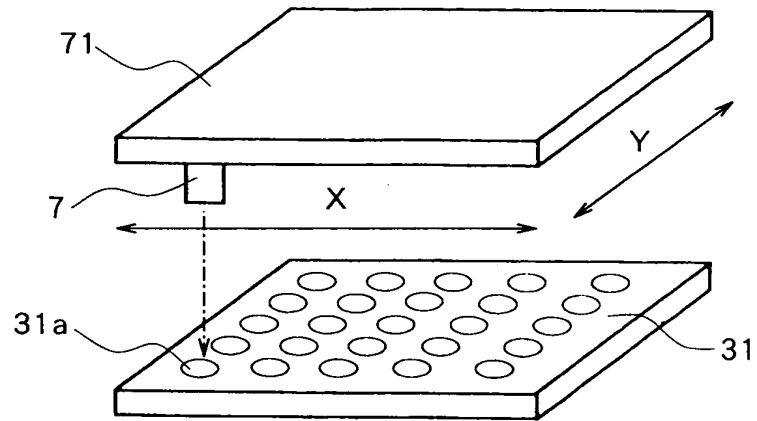


FIG. 24

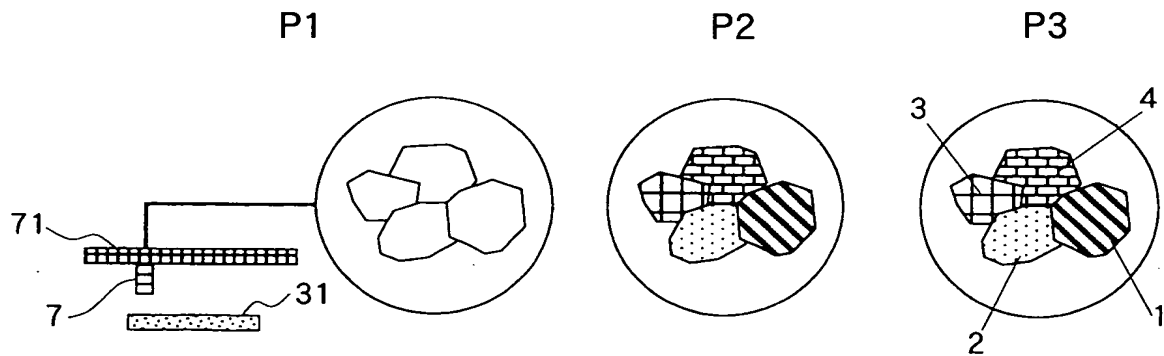


FIG. 25

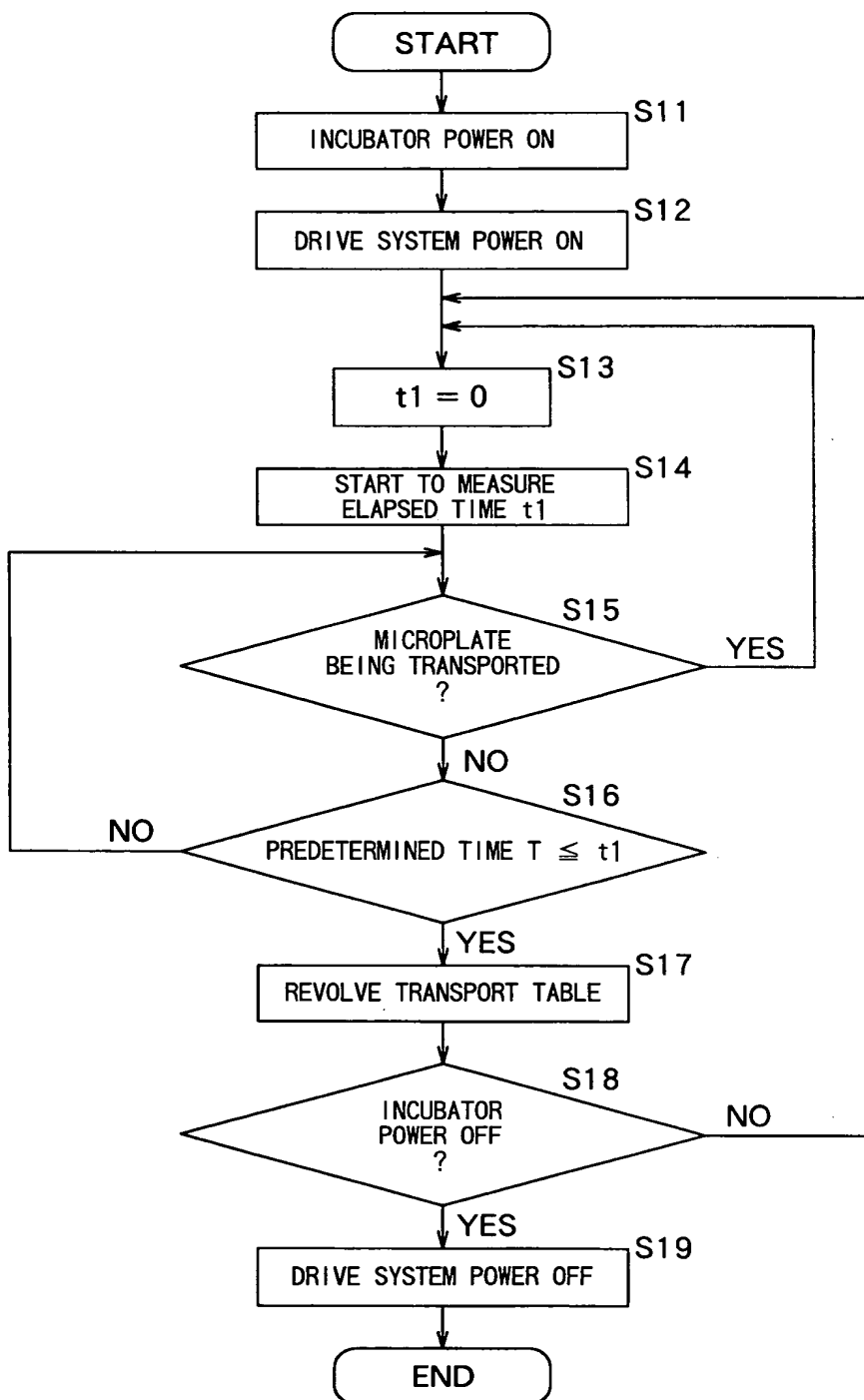


FIG. 26

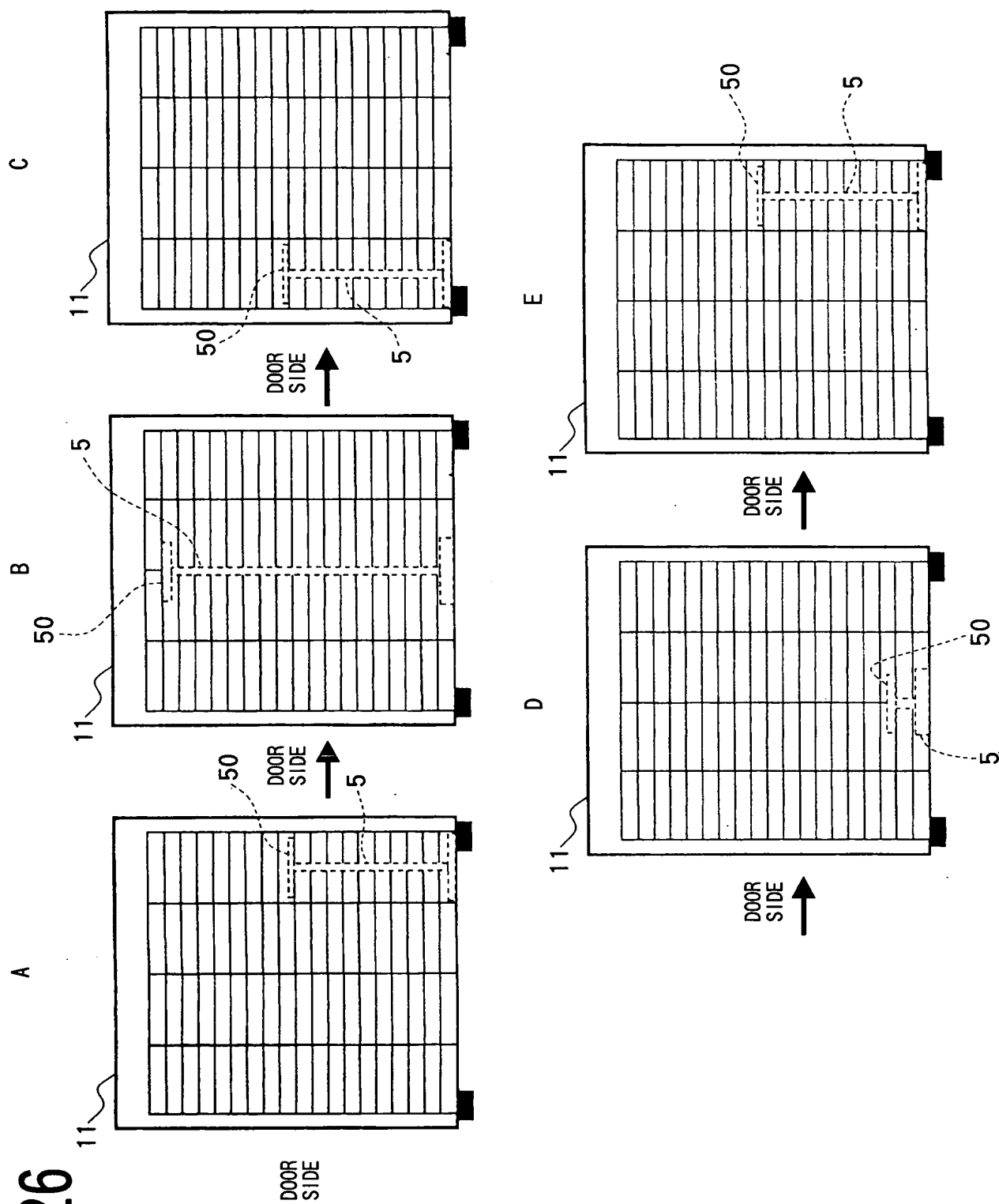


FIG. 27

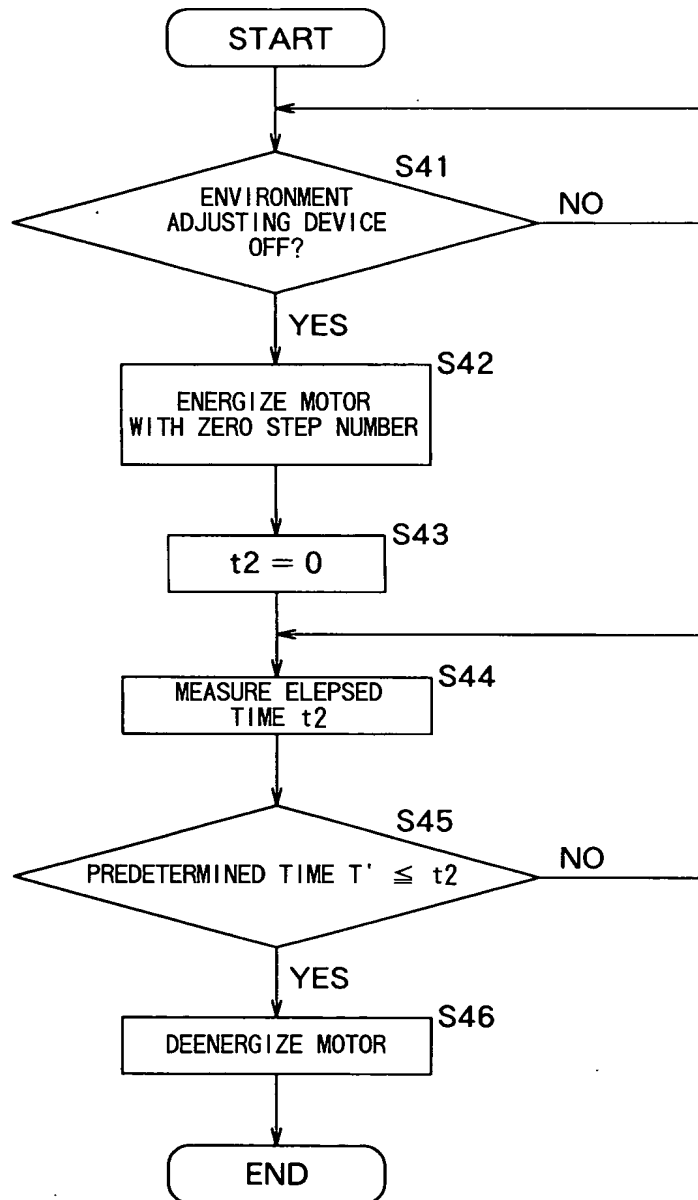


FIG. 28

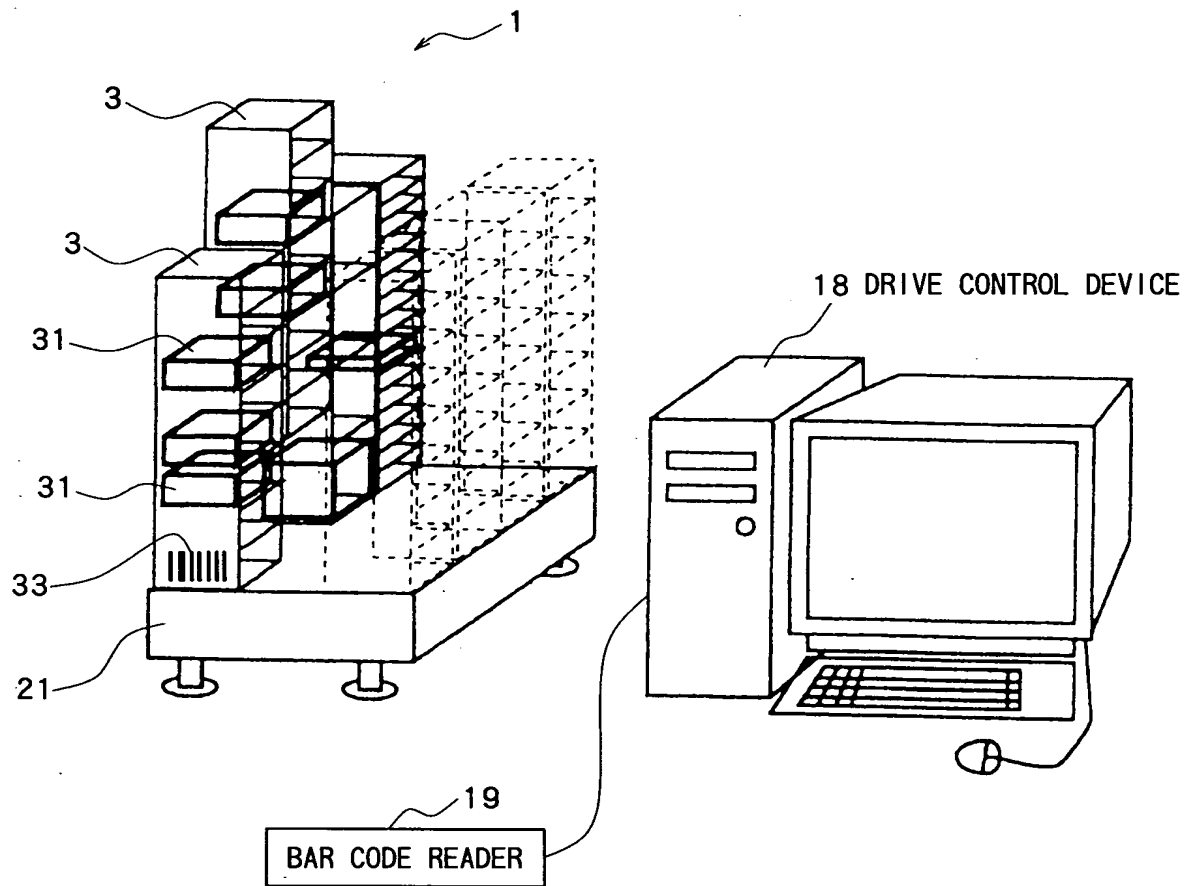


FIG. 29

| STACKER TYPE NO. | TYPE | SIZE (mm) | RACK NO. |
|------------------|-----------------|----------------|----------|
| S1 - NS - 554396 | Normal small 15 | 92 × 135 × 650 | 15 |
| S1 - NL - 554396 | Normal Large 8 | 92 × 135 × 650 | 8 |
| S1 - OP - 275800 | Op 20 | 90 × 132 × 650 | 20 |

FIG. 30

| | |
|------------------|------------------|
| STACKER NO. | S0001 |
| STACKER TYPE NO. | S1 - NS - 554396 |
| TYPE | Normal small 15 |
| SIZE (mm) | 92 × 135 × 650 |
| RACK NO. | 15 |

FIG. 31

| | |
|----------------------------|--------------------|
| STACKER NO. | S0001 |
| INSTALLATION DATE, TIME | 2002.11.04 14 : 15 |
| INSTALLATION POSITION | A |

FIG. 32

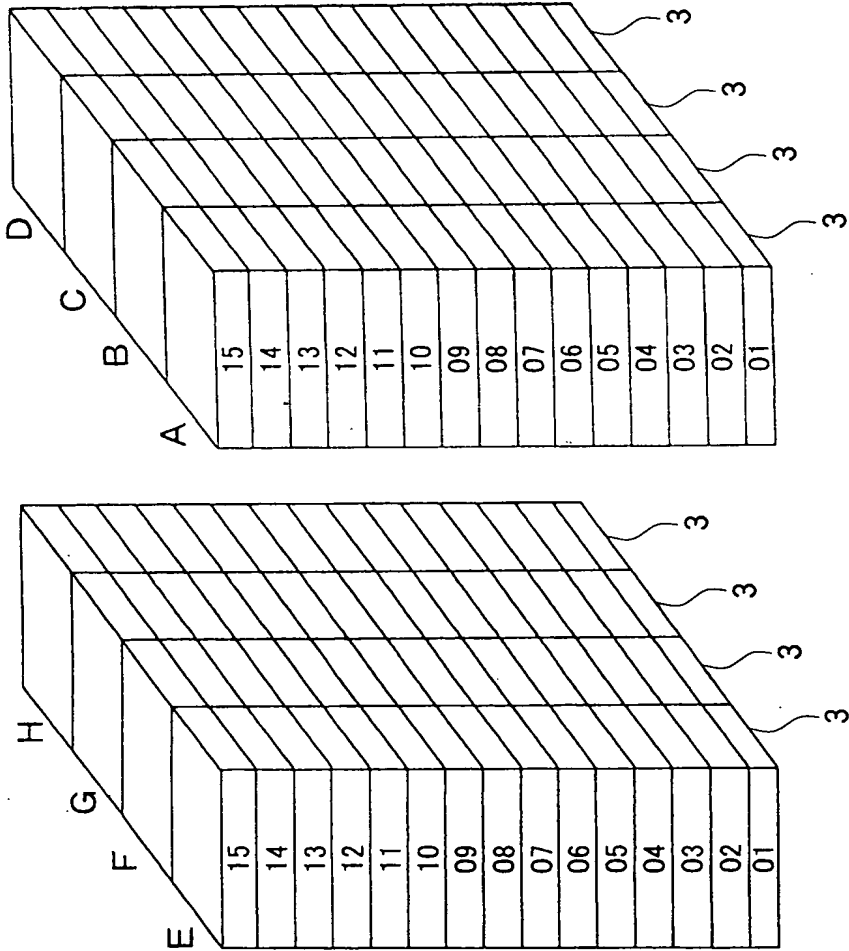


FIG. 33

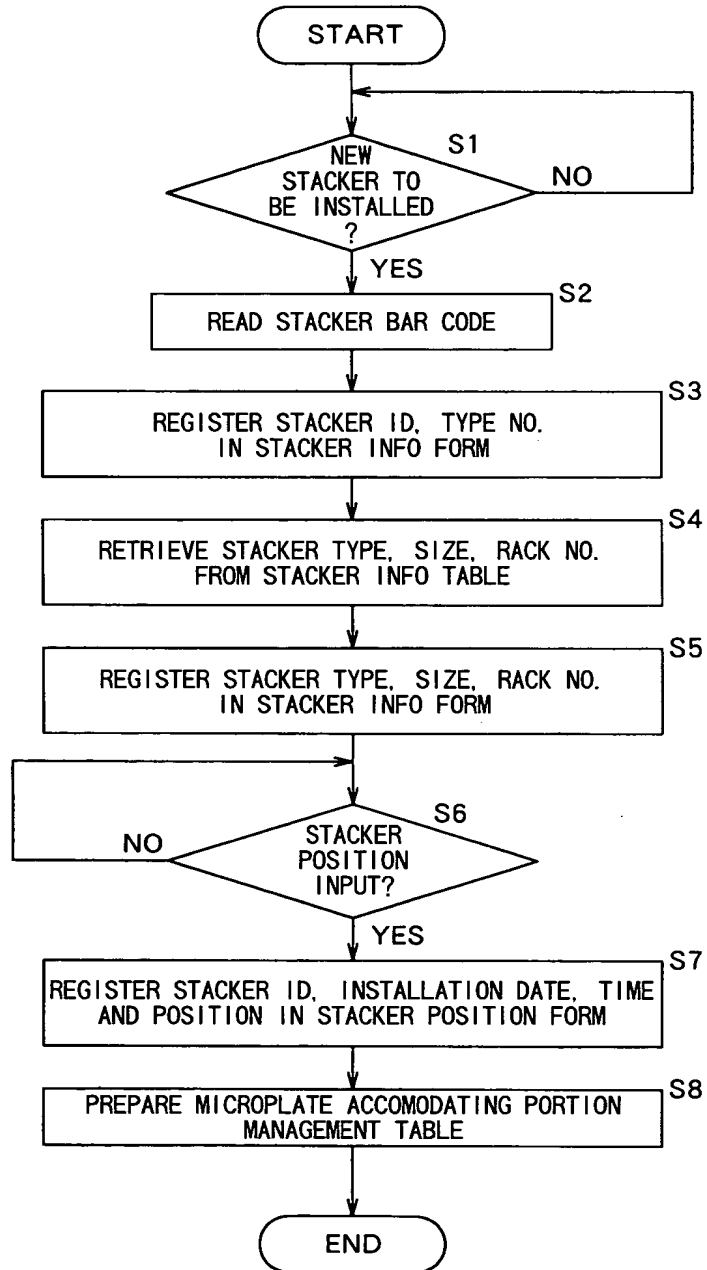


FIG. 34

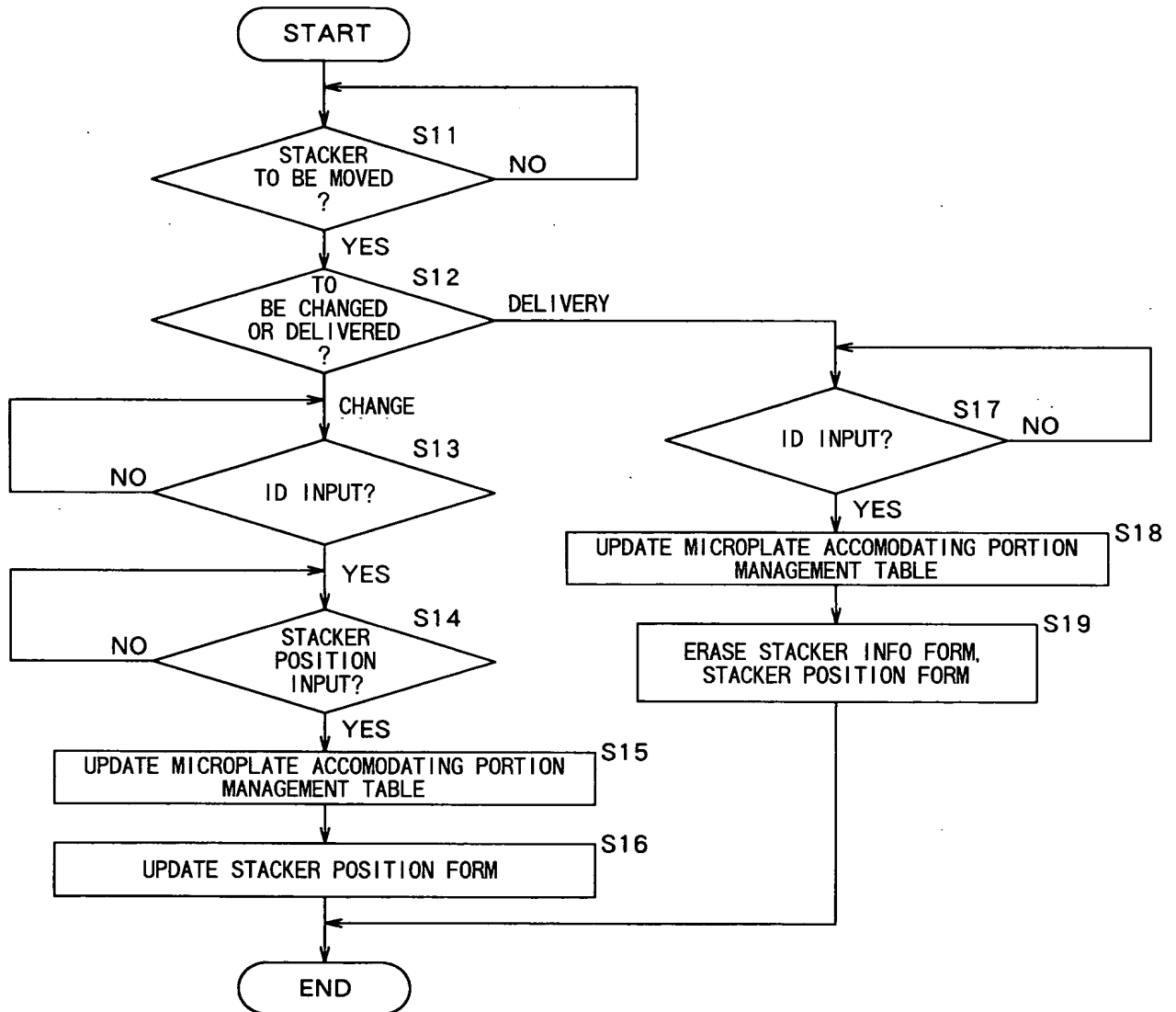


FIG. 35

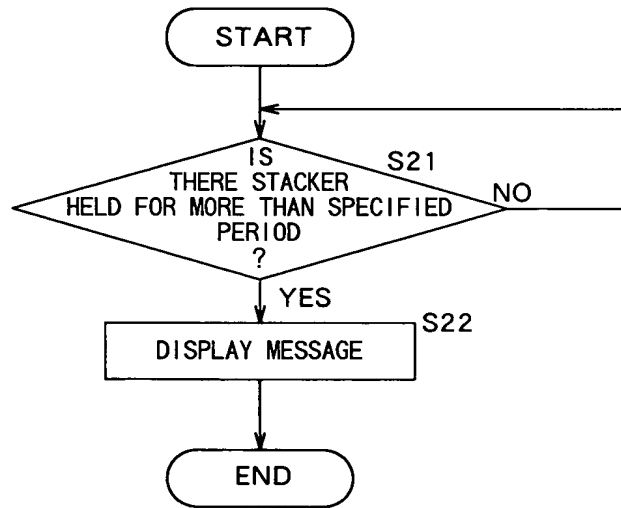


FIG. 36

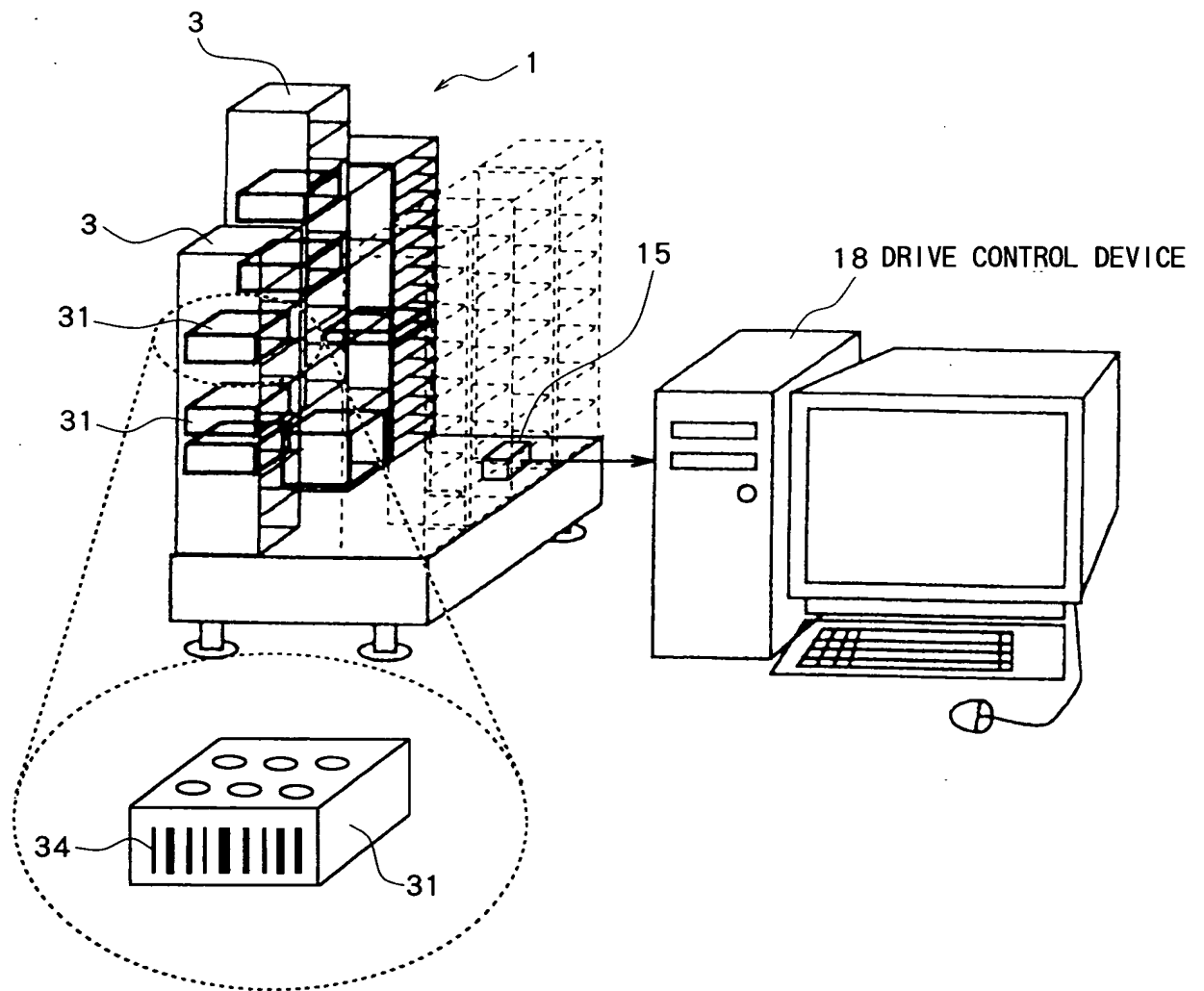


FIG. 37

| PLATE TYPE NO. | TYPE | SIZE (mm) | CAVITY NO. |
|----------------|--------------|---------------|------------|
| NS - 554396 | Normal small | 86 × 128 × 12 | 96 |
| NL - 554396 | Normal Large | 86 × 128 × 41 | 96 |
| OP - 275800 | Op | 84 × 128 × 6 | NONE |

FIG. 38

| | |
|----------------|---------------|
| PLATE NO. | P0001 |
| PLATE TYPE NO. | NS - 554396 |
| TYPE | Normal small |
| SIZE (mm) | 86 × 128 × 12 |
| CAVITY NO. | 96 |

FIG. 39

| | |
|--------------------------|--------------------|
| PLATE NO. | P0001 |
| PLACING-IN DATE, TIME | 2002.11.04 15 : 05 |
| ACCOMODATING POSITION | A05 |

FIG. 40

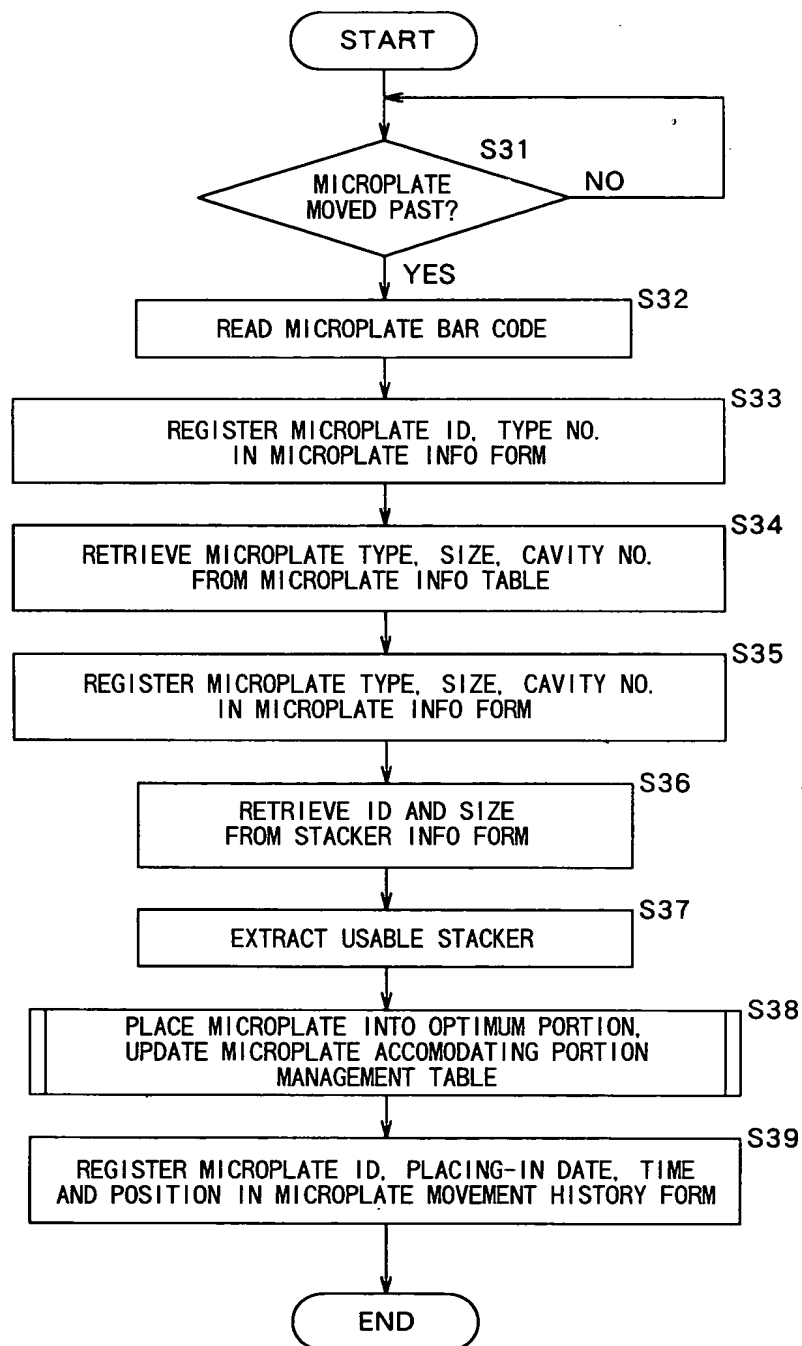


FIG. 41

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 VC | 030 VC | 045 VC | 060 VC | 075 VC | 090 VC | 105 VC | 120 VC |
| 14 | 014 VC | 029 VC | 044 VC | 059 VC | 074 VC | 089 VC | 104 VC | 119 VC |
| 13 | 013 VC | 028 VC | 043 VC | 058 VC | 073 VC | 088 VC | 103 VC | 118 VC |
| 12 | 012 VC | 027 VC | 042 VC | 057 VC | 072 VC | 087 VC | 102 VC | 117 VC |
| 11 | 011 VC | 026 VC | 041 VC | 056 VC | 071 VC | 086 VC | 101 VC | 116 VC |
| 10 | 010 VC | 025 VC | 040 VC | 055 VC | 070 VC | 085 VC | 100 VC | 115 VC |
| 09 | 009 VC | 024 VC | 039 VC | 054 VC | 069 VC | 084 VC | 099 VC | 114 VC |
| 08 | 008 VC | 023 VC | 038 VC | 053 VC | 068 VC | 083 VC | 098 VC | 113 VC |
| 07 | 007 VC | 022 VC | 037 VC | 052 VC | 067 VC | 082 VC | 097 VC | 112 VC |
| 06 | 006 VC | 021 VC | 036 VC | 051 VC | 066 VC | 081 VC | 096 VC | 111 VC |
| 05 | 005 VC | 020 VC | 035 VC | 050 VC | 065 VC | 080 VC | 095 VC | 110 VC |
| 04 | 004 VC | 019 VC | 034 VC | 049 VC | 064 VC | 079 VC | 094 VC | 109 VC |
| 03 | 003 VC | 018 VC | 033 VC | 048 VC | 063 VC | 078 VC | 093 VC | 108 VC |
| 02 | 002 VC | 017 VC | 032 VC | 047 VC | 062 VC | 077 VC | 092 VC | 107 VC |
| 01 | 001 VC | 016 VC | 031 VC | 046 VC | 061 VC | 076 VC | 091 VC | 106 VC |

FIG. 42

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 VC | 030 VC | 045 VC | 060 VC | 075 VC | 090 VC | 105 VC | 120 VC |
| 14 | 014 VC | 029 VC | 044 VC | 059 VC | 074 VC | 089 VC | 104 VC | 119 VC |
| 13 | 013 OP | 028 VC | 043 VC | 058 VC | 073 OP | 088 VC | 103 VC | 118 VC |
| 12 | 012 VC | 027 VC | 042 VC | 057 VC | 072 VC | 087 VC | 102 VC | 117 VC |
| 11 | 011 VC | 026 VC | 041 VC | 056 VC | 071 VC | 086 VC | 101 VC | 116 VC |
| 10 | 010 VC | 025 VC | 040 VC | 055 VC | 070 VC | 085 VC | 100 VC | 115 VC |
| 09 | 009 OP | 024 VC | 039 VC | 054 VC | 069 OP | 084 VC | 099 VC | 114 VC |
| 08 | 008 VC | 023 VC | 038 VC | 053 VC | 068 VC | 083 VC | 098 VC | 113 VC |
| 07 | 007 VC | 022 VC | 037 VC | 052 VC | 067 VC | 082 VC | 097 VC | 112 VC |
| 06 | 006 VC | 021 VC | 036 VC | 051 VC | 066 VC | 081 VC | 096 VC | 111 VC |
| 05 | 005 OP | 020 VC | 035 VC | 050 VC | 065 OP | 080 VC | 095 VC | 110 VC |
| 04 | 004 VC | 019 VC | 034 VC | 049 VC | 064 VC | 079 VC | 094 VC | 109 VC |
| 03 | 003 VC | 018 VC | 033 VC | 048 VC | 063 VC | 078 VC | 093 VC | 108 VC |
| 02 | 002 VC | 017 VC | 032 VC | 047 VC | 062 VC | 077 VC | 092 VC | 107 VC |
| 01 | 001 OP | 016 VC | 031 VC | 046 VC | 061 OP | 076 VC | 091 VC | 106 VC |

FIG. 43

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 VC | 030 VC | 045 OP | 060 VC | 075 VC | 090 VC | 105 OP | 120 VC |
| 14 | 014 VC | 029 OP | 044 VC | 059 VC | 074 VC | 089 OP | 104 VC | 119 VC |
| 13 | 013 OP | 028 VC | 043 VC | 058 VC | 073 OP | 088 VC | 103 VC | 118 VC |
| 12 | 012 VC | 027 VC | 042 VC | 057 OP | 072 VC | 087 VC | 102 VC | 117 OP |
| 11 | 011 VC | 026 VC | 041 OP | 056 VC | 071 VC | 086 VC | 101 OP | 116 VC |
| 10 | 010 VC | 025 OP | 040 VC | 055 VC | 070 VC | 085 OP | 100 VC | 115 VC |
| 09 | 009 OP | 024 VC | 039 VC | 054 VC | 069 OP | 084 VC | 099 VC | 114 VC |
| 08 | 008 VC | 023 VC | 038 VC | 053 OP | 068 VC | 083 VC | 098 VC | 113 OP |
| 07 | 007 VC | 022 VC | 037 OP | 052 VC | 067 VC | 082 VC | 097 OP | 112 VC |
| 06 | 006 VC | 021 OP | 036 VC | 051 VC | 066 VC | 081 OP | 096 VC | 111 VC |
| 05 | 005 OP | 020 VC | 035 VC | 050 VC | 065 OP | 080 VC | 095 VC | 110 VC |
| 04 | 004 VC | 019 VC | 034 VC | 049 OP | 064 VC | 079 VC | 094 VC | 109 OP |
| 03 | 003 VC | 018 VC | 033 OP | 048 VC | 063 VC | 078 VC | 093 OP | 108 VC |
| 02 | 002 VC | 017 OP | 032 VC | 047 VC | 062 VC | 077 OP | 092 VC | 107 VC |
| 01 | 001 OP | 016 VC | 031 VC | 046 VC | 061 OP | 076 VC | 091 VC | 106 VC |

FIG. 44

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 OP | 030 VC | 045 OP | 060 VC | 075 OP | 090 VC | 105 OP | 120 VC |
| 14 | 014 VC | 029 OP | 044 VC | 059 VC | 074 VC | 089 OP | 104 VC | 119 VC |
| 13 | 013 OP | 028 VC | 043 VC | 058 VC | 073 OP | 088 VC | 103 VC | 118 VC |
| 12 | 012 VC | 027 VC | 042 VC | 057 OP | 072 VC | 087 VC | 102 VC | 117 OP |
| 11 | 011 OP | 026 VC | 041 OP | 056 VC | 071 OP | 086 VC | 101 OP | 116 VC |
| 10 | 010 VC | 025 OP | 040 VC | 055 VC | 070 VC | 085 OP | 100 VC | 115 VC |
| 09 | 009 OP | 024 VC | 039 VC | 054 VC | 069 OP | 084 VC | 099 VC | 114 VC |
| 08 | 008 VC | 023 VC | 038 VC | 053 OP | 068 VC | 083 VC | 098 VC | 113 OP |
| 07 | 007 OP | 022 VC | 037 OP | 052 VC | 067 OP | 082 VC | 097 OP | 112 VC |
| 06 | 006 VC | 021 OP | 036 VC | 051 VC | 066 VC | 081 OP | 096 VC | 111 VC |
| 05 | 005 OP | 020 VC | 035 VC | 050 VC | 065 OP | 080 VC | 095 VC | 110 VC |
| 04 | 004 VC | 019 VC | 034 VC | 049 OP | 064 VC | 079 VC | 094 VC | 109 OP |
| 03 | 003 OP | 018 VC | 033 OP | 048 VC | 063 OP | 078 VC | 093 OP | 108 VC |
| 02 | 002 VC | 017 OP | 032 VC | 047 VC | 062 VC | 077 OP | 092 VC | 107 VC |
| 01 | 001 OP | 016 VC | 031 VC | 046 VC | 061 OP | 076 VC | 091 VC | 106 VC |

FIG. 45

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 OP | 030 VC | 045 OP | 060 VC | 075 OP | 090 VC | 105 OP | 120 VC |
| 14 | 014 VC | 029 OP | 044 VC | 059 OP | 074 VC | 089 OP | 104 VC | 119 OP |
| 13 | 013 OP | 028 VC | 043 OP | 058 VC | 073 OP | 088 VC | 103 OP | 118 VC |
| 12 | 012 VC | 027 OP | 042 VC | 057 OP | 072 VC | 087 OP | 102 VC | 117 OP |
| 11 | 011 OP | 026 VC | 041 OP | 056 VC | 071 OP | 086 VC | 101 OP | 116 VC |
| 10 | 010 VC | 025 OP | 040 VC | 055 OP | 070 VC | 085 OP | 100 VC | 115 OP |
| 09 | 009 OP | 024 VC | 039 OP | 054 VC | 069 OP | 084 VC | 099 OP | 114 VC |
| 08 | 008 VC | 023 OP | 038 VC | 053 OP | 068 VC | 083 OP | 098 VC | 113 OP |
| 07 | 007 OP | 022 VC | 037 OP | 052 VC | 067 OP | 082 VC | 097 OP | 112 VC |
| 06 | 006 VC | 021 OP | 036 VC | 051 OP | 066 VC | 081 OP | 096 VC | 111 OP |
| 05 | 005 OP | 020 VC | 035 OP | 050 VC | 065 OP | 080 VC | 095 OP | 110 VC |
| 04 | 004 VC | 019 OP | 034 VC | 049 OP | 064 VC | 079 OP | 094 VC | 109 OP |
| 03 | 003 OP | 018 VC | 033 OP | 048 VC | 063 OP | 078 VC | 093 OP | 108 VC |
| 02 | 002 VC | 017 OP | 032 VC | 047 OP | 062 VC | 077 OP | 092 VC | 107 OP |
| 01 | 001 OP | 016 VC | 031 OP | 046 VC | 061 OP | 076 VC | 091 OP | 106 VC |

FIG. 46

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 OP | 030 VC | 045 OP | 060 VC | 075 OP | 090 VC | 105 OP | 120 VC |
| 14 | 014 OP | 029 OP | 044 VC | 059 OP | 074 OP | 089 OP | 104 VC | 119 OP |
| 13 | 013 OP | 028 VC | 043 OP | 058 VC | 073 OP | 088 VC | 103 OP | 118 VC |
| 12 | 012 VC | 027 OP | 042 VC | 057 OP | 072 VC | 087 OP | 102 VC | 117 OP |
| 11 | 011 OP | 026 VC | 041 OP | 056 VC | 071 OP | 086 VC | 101 OP | 116 VC |
| 10 | 010 OP | 025 OP | 040 VC | 055 OP | 070 OP | 085 OP | 100 VC | 115 OP |
| 09 | 009 OP | 024 VC | 039 OP | 054 VC | 069 OP | 084 VC | 099 OP | 114 VC |
| 08 | 008 VC | 023 OP | 038 VC | 053 OP | 068 VC | 083 OP | 098 VC | 113 OP |
| 07 | 007 OP | 022 VC | 037 OP | 052 VC | 067 OP | 082 VC | 097 OP | 112 VC |
| 06 | 006 OP | 021 OP | 036 VC | 051 OP | 066 OP | 081 OP | 096 VC | 111 OP |
| 05 | 005 OP | 020 VC | 035 OP | 050 VC | 065 OP | 080 VC | 095 OP | 110 VC |
| 04 | 004 VC | 019 OP | 034 VC | 049 OP | 064 VC | 079 OP | 094 VC | 109 OP |
| 03 | 003 OP | 018 VC | 033 OP | 048 VC | 063 OP | 078 VC | 093 OP | 108 VC |
| 02 | 002 OP | 017 OP | 032 VC | 047 OP | 062 OP | 077 OP | 092 VC | 107 OP |
| 01 | 001 OP | 016 VC | 031 OP | 046 VC | 061 OP | 076 VC | 091 OP | 106 VC |

FIG. 47

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 OP | 030 OP | 045 OP | 060 VC | 075 OP | 090 OP | 105 OP | 120 VC |
| 14 | 014 OP | 029 OP | 044 VC | 059 OP | 074 OP | 089 OP | 104 VC | 119 OP |
| 13 | 013 OP | 028 VC | 043 OP | 058 OP | 073 OP | 088 VC | 103 OP | 118 OP |
| 12 | 012 VC | 027 OP | 042 OP | 057 OP | 072 VC | 087 OP | 102 OP | 117 OP |
| 11 | 011 OP | 026 OP | 041 OP | 056 VC | 071 OP | 086 OP | 101 OP | 116 VC |
| 10 | 010 OP | 025 OP | 040 VC | 055 OP | 070 OP | 085 OP | 100 VC | 115 OP |
| 09 | 009 OP | 024 VC | 039 OP | 054 OP | 069 OP | 084 VC | 099 OP | 114 OP |
| 08 | 008 VC | 023 OP | 038 OP | 053 OP | 068 VC | 083 OP | 098 OP | 113 OP |
| 07 | 007 OP | 022 OP | 037 OP | 052 VC | 067 OP | 082 OP | 097 OP | 112 VC |
| 06 | 006 OP | 021 OP | 036 VC | 051 OP | 066 OP | 081 OP | 096 VC | 111 OP |
| 05 | 005 OP | 020 VC | 035 OP | 050 OP | 065 OP | 080 VC | 095 OP | 110 OP |
| 04 | 004 VC | 019 OP | 034 OP | 049 OP | 064 VC | 079 OP | 094 OP | 109 OP |
| 03 | 003 OP | 018 OP | 033 OP | 048 VC | 063 OP | 078 OP | 093 OP | 108 VC |
| 02 | 002 OP | 017 OP | 032 VC | 047 OP | 062 OP | 077 OP | 092 VC | 107 OP |
| 01 | 001 OP | 016 VC | 031 OP | 046 OP | 061 OP | 076 VC | 091 OP | 106 OP |

FIG. 48

| | A | B | C | D | E | F | G | H |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| 15 | 015 OP | 030 VC | 045 OP | 060 VC | 075 OP | 090 VC | 105 OP | 120 VC |
| 14 | 014 OP | 029 OP | 044 VC | 059 OP | 074 OP | 089 OP | 104 VC | 119 OP |
| 13 | 013 OP | 028 VC | 043 OP | 058 VC | 073 OP | 088 VC | 103 OP | 118 VC |
| 12 | 012 OP | 027 OP | 042 VC | 057 OP | 072 OP | 087 OP | 102 VC | 117 OP |
| 11 | 011 OP | 026 VC | 041 OP | 056 VC | 071 OP | 086 VC | 101 OP | 116 VC |
| 10 | 010 OP | 025 OP | 040 VC | 055 OP | 070 OP | 085 OP | 100 VC | 115 OP |
| 09 | 009 OP | 024 VC | 039 OP | 054 VC | 069 OP | 084 VC | 099 OP | 114 VC |
| 08 | 008 OP | 023 OP | 038 VC | 053 OP | 068 OP | 083 OP | 098 VC | 113 OP |
| 07 | 007 OP | 022 VC | 037 OP | 052 VC | 067 OP | 082 VC | 097 OP | 112 VC |
| 06 | 006 OP | 021 OP | 036 VC | 051 OP | 066 OP | 081 OP | 096 VC | 111 OP |
| 05 | 005 OP | 020 VC | 035 OP | 050 VC | 065 OP | 080 VC | 095 OP | 110 VC |
| 04 | 004 OP | 019 OP | 034 VC | 049 OP | 064 OP | 079 OP | 094 VC | 109 OP |
| 03 | 003 OP | 018 VC | 033 OP | 048 VC | 063 OP | 078 VC | 093 OP | 108 VC |
| 02 | 002 OP | 017 OP | 032 VC | 047 OP | 062 OP | 077 OP | 092 VC | 107 OP |
| 01 | 001 OP | 016 VC | 031 OP | 046 VC | 061 OP | 076 VC | 091 OP | 106 VC |

FIG. 49

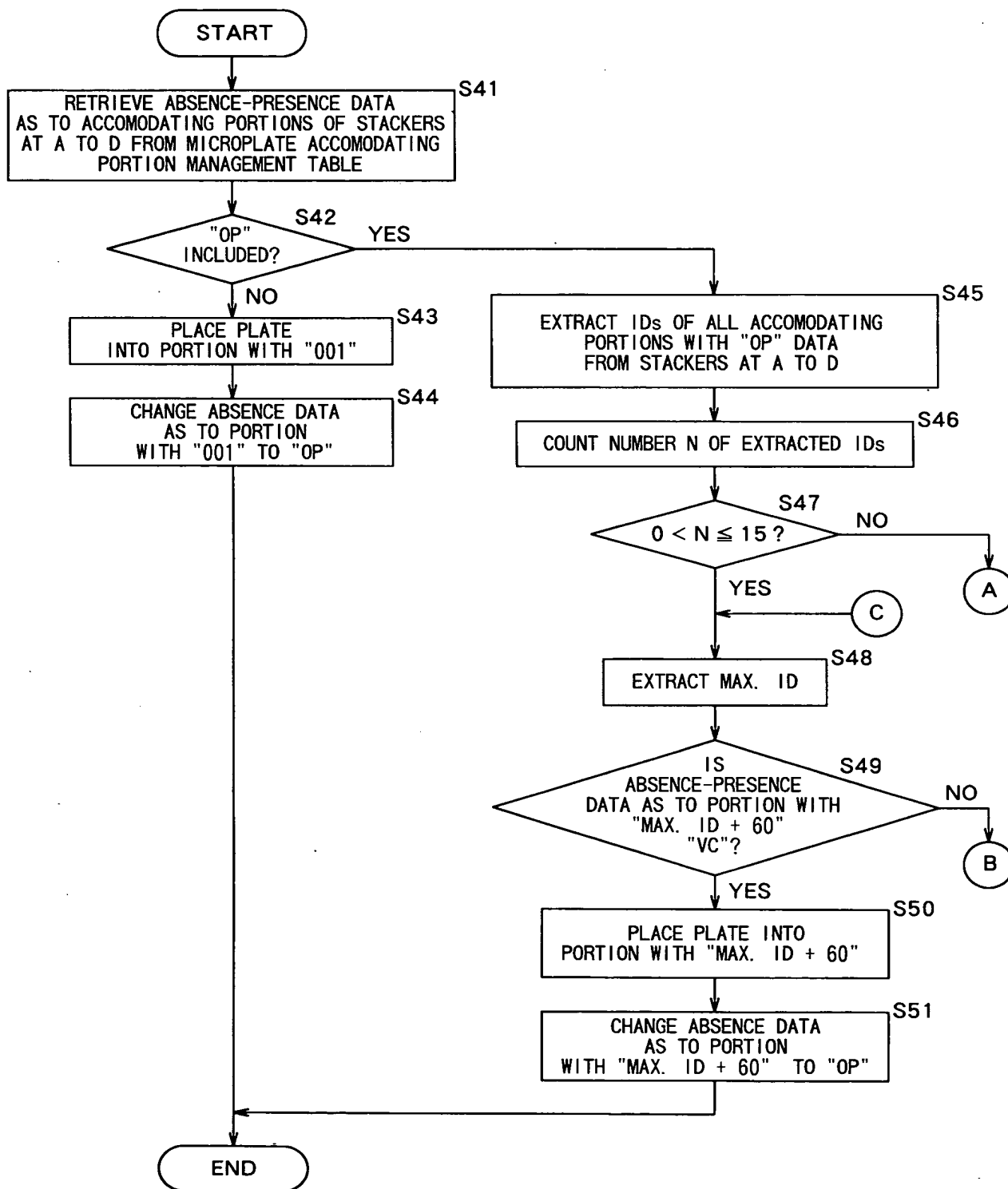


FIG. 50

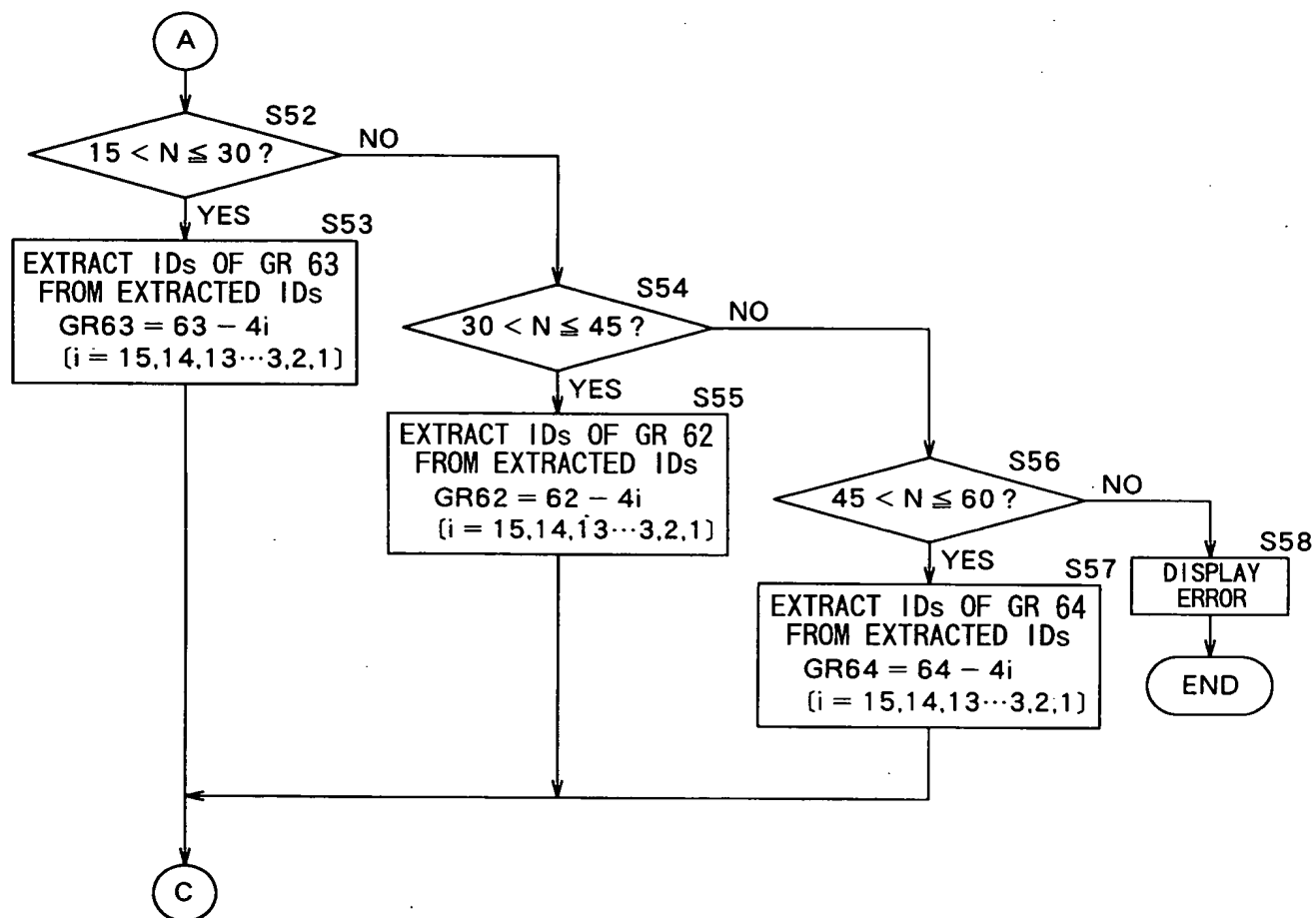


FIG. 51

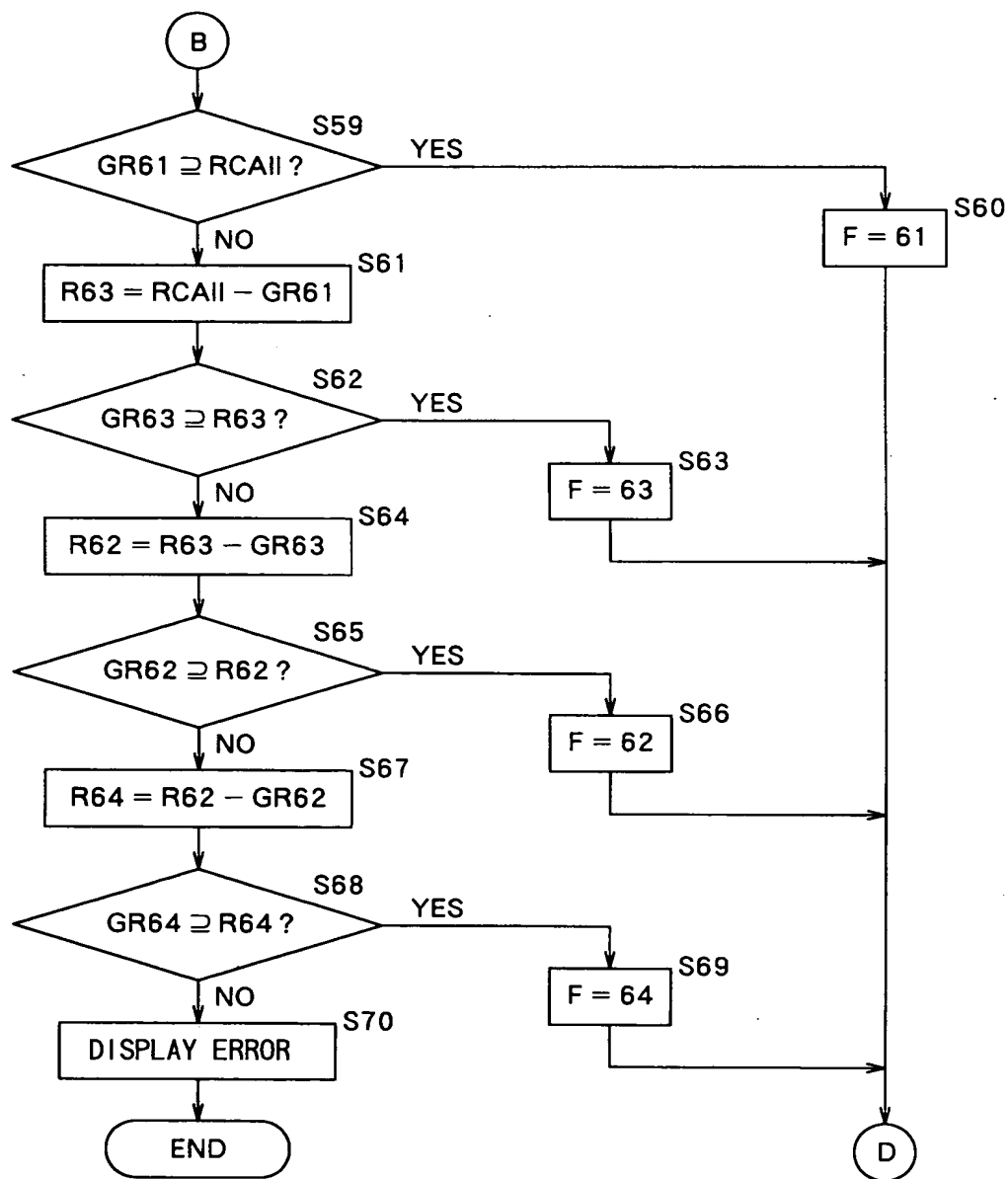


FIG. 52

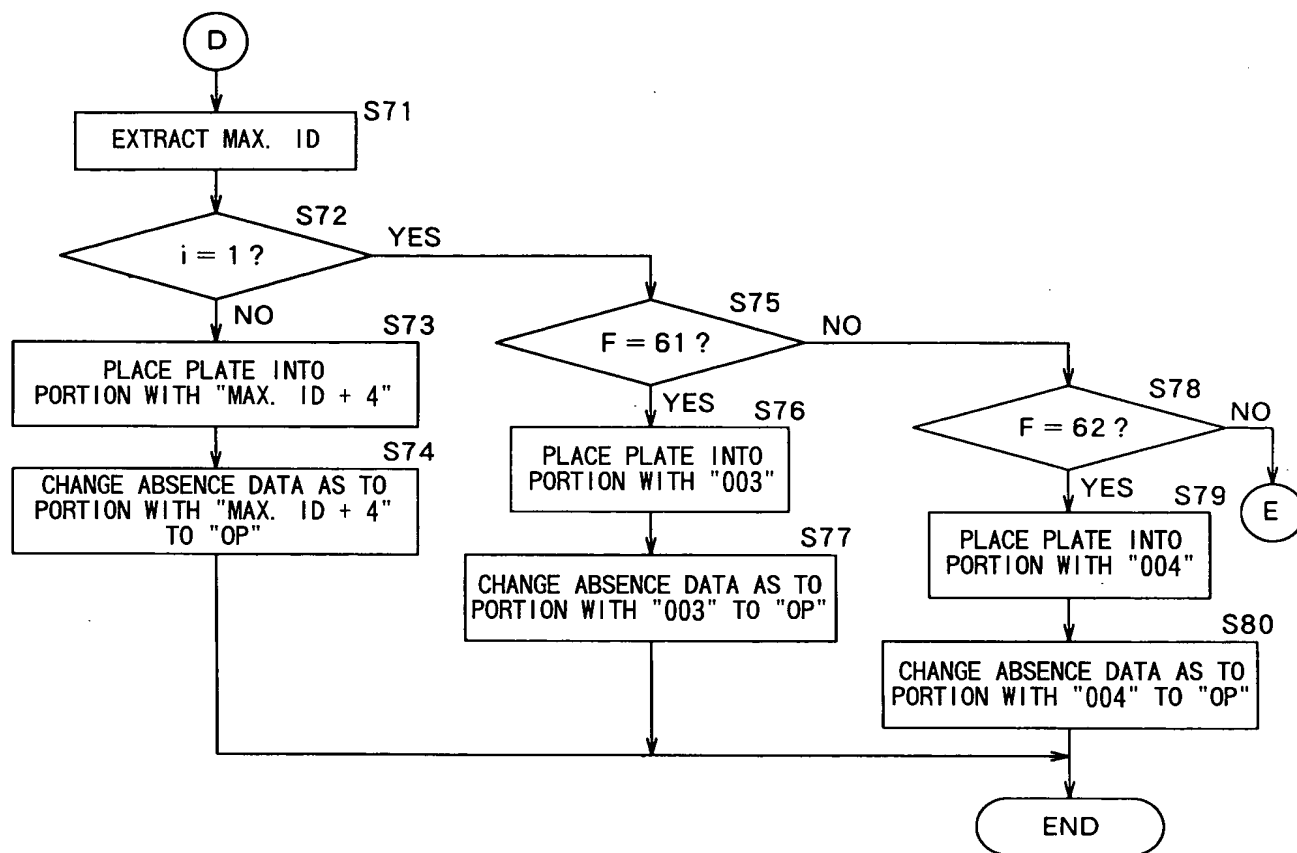


FIG. 53

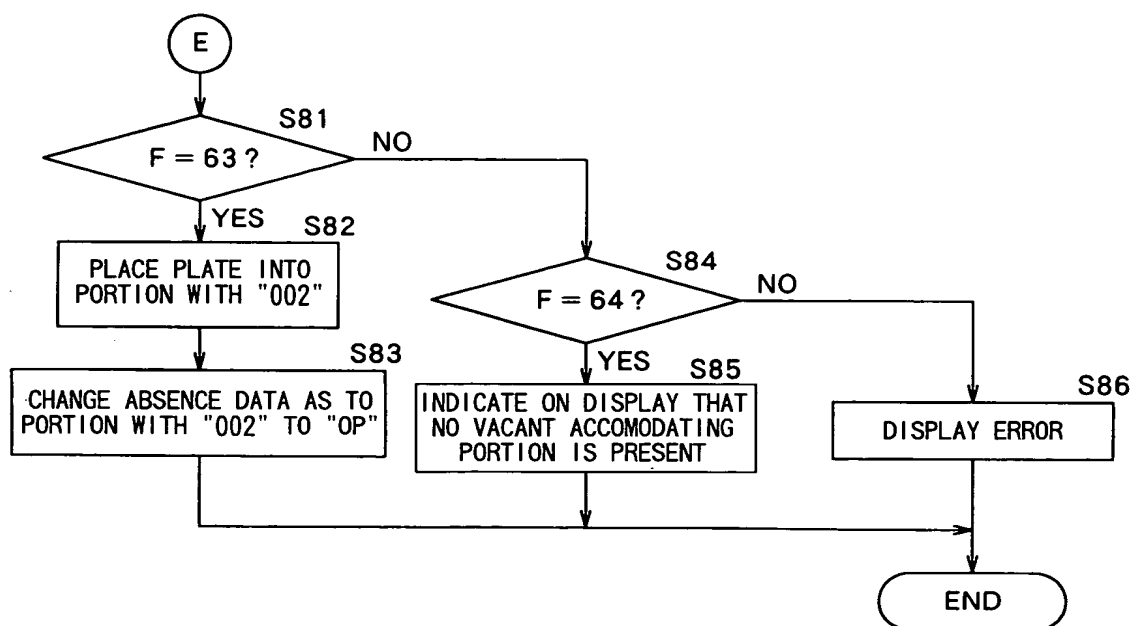


FIG. 54

| | |
|--------------------------|--------------------|
| PLATE NO. | P0001 |
| PLACING-IN DATE, TIME | 2002.11.04 15 : 05 |
| ACCOMODATING POSITION | A05 |
| MOVING DATE, TIME | 2002.11.04 18 : 25 |
| NEW POSITION | B15 |

FIG. 55

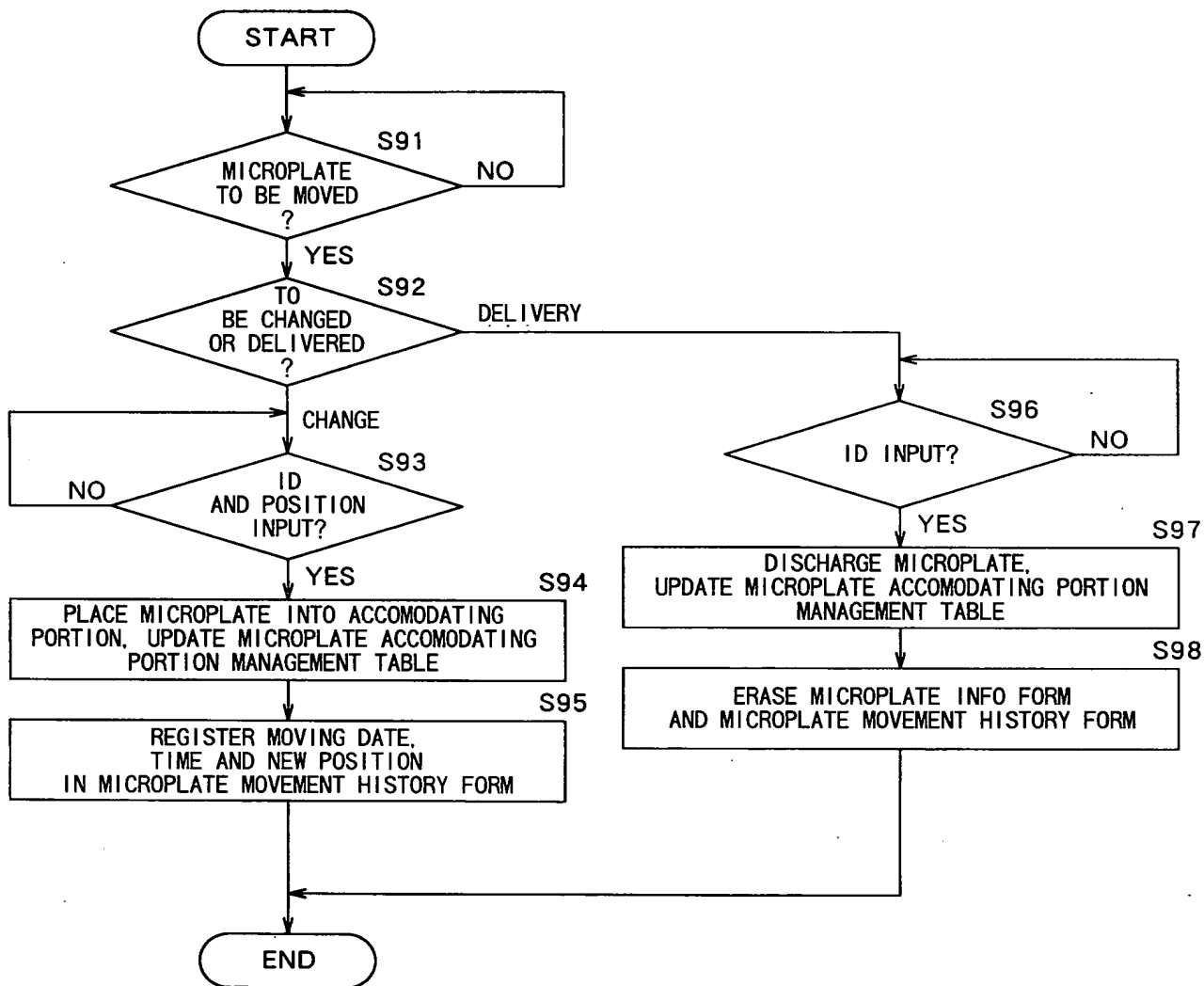


FIG. 56

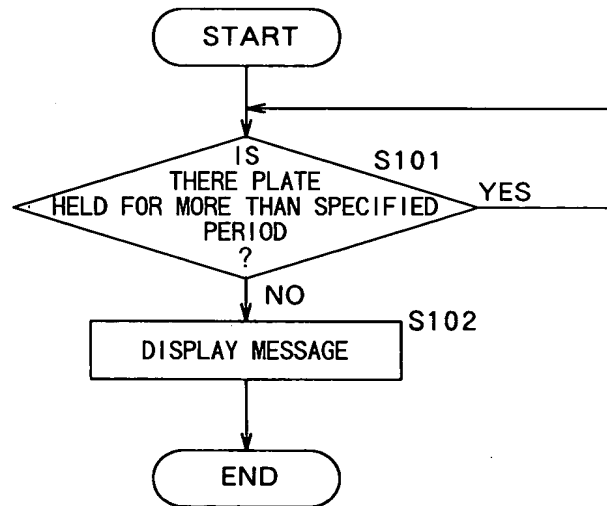


FIG. 57
PRIOR ART

